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President's Message



I encourage you to ask questions, let us know about your concerns, and — most importantly — let us help. Our motto is that “we take this journey together.” This phrase is our commitment to you that we are invested in your success because without it, we are not successful.

So, Buen Cypress, Chargers! I am honored to be on this journey with you.

Scott W. Thayer, Ed.D.
President

Welcome to Cypress College!

It is my pleasure to welcome you to Cypress College! We are proud of our students, our alumni, and the amazing employees who help them reach new heights. In the recent past, Cypress College has been recognized as California's best, and as one of the Aspen Institute's Top 150 in the United States. Our students transfer to amazing universities in the California State University and University of California systems, as well as private universities such as Chapman, Stanford, and Cornell, among many others. At Cypress College, anything is possible.

We invite your participation in our programs, support offices, athletics, arts, campus clubs, in our resource centers such as Honors, Puente, Legacy, APIDA, Pride, Rising Scholars, and our (STEM)2/MESA center. By using this document, being attentive to campus emails, and our social media and campus website, we hope to connect you to all that Cypress College has to offer — especially so that we can help make your journey here successful. Along those lines, we are a California Guided Pathways college, which means it is our goal to provide you with the tools, knowledge, skills, and support to be successful here. The college is designated as an Hispanic Serving Institution, has been repeatedly recognized as an Equity Champion, and is focused on providing a friendly, helpful environment.

Cypress College has a vibrant community of faculty, counselors, staff, and administrators who are committed to your success. We all believe in helping you move ahead in your education, establish and advance in your career, and meet your life-long learning goals.

About Cypress College

Excellence in Education

Cypress College emphasizes education for the individual student. Excellence of instruction and individualized learning laboratories enhance the possibility for students to achieve their highest potential. In addition, a staff of tutors and full-time counselors provides instructional support and extensive guidance information to aid students in their choice of programs and classes. For the student who plans to complete a Baccalaureate degree, the college provides a smooth transition from high school to colleges and universities.

Numerous occupational programs are available for the student who desires preparation for immediate employment. Each occupational program is planned with the aid of a local advisory committee to insure relevance to changing career opportunities in each area of employment.

The College is composed of twelve major instructional buildings located on a 110-acre site. The campus buildings contain conventional classrooms as well as laboratory facilities for science, art, computer technology, photography, automotive services, dental clinic, mortuary science, physical education and other specialized programs. The college's Educational Services provide opportunities for students with disabilities to be fully integrated into various college programs.

In addition to these instructional facilities, the campus is provided support services by a bookstore, and food service centers. There are nine parking lots with an aggregate of 4,000 parking spaces designed to service students and staff, with an appropriate number of spaces reserved for individuals with disabilities.

Cypress College serves the educational needs of its entire community by providing a variety of occupational programs, transfer programs, and special interest classes. The College offers something for everyone, regardless of the student's individual background or educational goals. Since opening in 1966, Cypress' population has grown from an original enrollment of 1,200 to a student population of almost 15,000.

Mission Statement

Cypress College transforms lives through lifelong learning with educational opportunities including transfer to four-year institutions, associate degrees, certificates, and a baccalaureate degree. We are dedicated to forging academic and career pathways to support the achievement of our students, enhancing their economic mobility, fostering equity, and enriching society.

Vision Statement

We strive to be a premier, innovative, and equitable learning community recognized for supporting students and enriching society.

Core Values

Equity

Eliminating barriers to educational success and career goals by ensuring fairness and access to resources and support.

Excellence

Pursuing the highest quality in learning and teaching, supporting students, enhancing the college environment, and implementing sustainable practices.

Integrity

Upholding an ethical standard of honesty, accountability and trust.

Collegiality

Promoting teamwork, collaboration, communication, courtesy and respect both on campus and with the surrounding community.

Inclusiveness

Fostering a community that embraces diversity, individuality, accessibility, a supportive climate, and encourages a variety of perspectives and opinions.

The Cypress College Leadership webpage profiles the Cypress College executive leadership team.

The Cypress College Governance webpage lists the governance groups.

The Cypress College Divisions webpage provide students with the list of all academic divisions at the college.

North Orange County Community College District (NOCCCD)

The North Orange County Community College District (NOCCCD) is a public community college district located in Orange County, California. Established in 1965, it serves the educational needs of the residents in North Orange County and comprises two community colleges: Fullerton College and Cypress College.

The NOCCCD is governed by a Board of Trustees responsible for setting policies, overseeing budgetary matters, and ensuring the overall success of the district. The district's mission is to provide accessible and affordable education, empowering students to achieve their educational and career goals.

Both Fullerton College and Cypress College emphasize student success through comprehensive support services. These services include counseling, tutoring, career development, transfer assistance, and various student clubs and organizations that promote personal growth and engagement.

The NOCCCD also collaborates with local businesses and industries to develop workforce training programs, ensuring students acquire the skills needed for in-demand careers. These partnerships provide valuable opportunities for students to gain practical experience and enhance their employability.

In addition to its academic offerings, the NOCCCD hosts cultural events, lectures, and art exhibits, enriching the educational experience for students and fostering a vibrant campus community. The district is committed to diversity, equity, and inclusion, providing an inclusive and supportive environment for all students.

Overall, the North Orange County Community College District is a prominent educational institution that plays a vital role in serving the educational

needs of the North Orange County community. It offers a wide range of academic programs, resources, and support services to help students succeed academically and professionally, while fostering a welcoming and inclusive learning environment.

Board of Trustees

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Academic Calendar

Academic Calendar 2025–2026

Cypress College reserves the right to cancel any class for which enrollment is not sufficient to warrant continuation, and to change the class hours and/or days as necessity demands.

Fall Semester 2025

August 25 – December 13, 2025

September 1, 2025	Labor Day Holiday
November 11, 2025	Veterans' Day
November 27 - 28, 2025	Thanksgiving Holiday

Winter Intersession 2024 - 2026

December 17 2025 - January 28, 2026

December 15, 2024 - January 28, 2026	Winter Recess
January 19, 2026	Martin Luther King Holiday
January 29, 2025	Mandatory Flex Day
January 30, 2026	Non-Student Day

Spring Semester 2026

February 2 – May 30, 2026

February 13, 2024	Lincoln's Birthday Holiday
February 16, 2024	Presidents' Day Holiday
February 17, 2024	Lunar New Year Holiday
March 30 - April 3, 2026	Spring Recess
March 31, 2025	Cesar Chavez Holiday
May 25, 2025	Memorial Day
May 30, 2025	Spring Semester Ends

Summer Session 2026

June 8, 2026 - August 14, 2026

June 19, 2026	Juneteenth

NOTE: Includes Saturday and Sunday, November 29 and 30 which are non-instructional days

NOTE: Includes Saturday and Sunday, February 14 and 15 which are non-instructional days

NOTE: Includes Saturday and Sunday, April 4 and 5 which are non-instructional days

Academic Policies

A

- Academic Freedom
- Academic Honors
- Academic Renewal Policy
- Attendance
- Auditing

C

- Campus Instruction Acceptable Use Policy
- Catalog Rights
- Challenging Prerequisites, Corequisites, or Other Limitations on Enrollment
- Class Transfers
- Classification of Students
- Complaints, Disputes, Grievances & Appeals
- Computing Resources Acceptable Use Policy
- Course Double Counting
- Course Numbering
- Course Repetition
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- External Exam Credit

G

- Grade Change
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P

- Probation and Dismissal Policies

S

- Student Conduct & Academic Honesty
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T

- Transcripts & Grade Reports
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W

- Withdrawal

Academic Freedom

Administrative Procedure 4030 outlines the College's Academic Freedom Policy.

Academic Honors

Honors At Entrance

High school graduates entering Cypress College as first time college students may qualify for Honors at Entrance by having earned a 3.5 GPA in high school with physical education grades excluded. The official high school transcript must be on file in the Admissions and Records Office. This achievement will be indicated on the college transcript. Application for Honors at Entrance should be made in the Admissions and Records Office during the student's first semester of attendance.

Semester Honors

Dean's List

Those students who officially **complete** (as shown on their transcript) twelve or more units in letter grade courses in a semester and earn a grade point average between 3.0 and 3.74 are placed on the Dean's List for the semester.

President's List

Those students who officially **complete** (as shown on their transcript) twelve or more units in letter grade courses in a semester and earn a grade point average of 3.75 or above are placed on the President's List for the semester.

Honors At Graduation

In recognition of academic excellence for completion of the associate degree, students are awarded graduation honors as follows:

Honors	3.30-3.74
High Honors	3.75-4.00

Graduation honors are calculated using all degree applicable work completed. This includes course work completed at Fullerton College and all other accredited institutions for which an official transcript has been received.

Graduation honors will be indicated in the commencement program and on the student's diploma and transcript. However, for candidates (those students with final grades pending), the commencement program will note "candidate" as their degrees and honors have not yet been confirmed. When final grades are posted, a recalculation of grades will be completed and, if the student qualifies, the graduation honor will be noted on the diploma and transcript.

Academic Renewal Policy

Board Policy 4240 and Administrative Procedure 4240 outline the College's Academic Renewal Policy.

Attendance

Regular attendance is expected of every student. Attendance at the first class meeting is especially important since a full period of instruction begins the first day of the class. Any student not attending the first class meeting may be dropped by the instructor. Waitlisted students should also attend the first class meeting in the event the student is offered an available seat.

In the case where a class is taught entirely online, instructors may drop students who have not been in contact with the instructor by the end of the first day of classes for that semester or short-term session

Absences are handled as follows:

1. After a student accumulates in any class more than a week's absences (more than the number of times the class meets per week), consecutive or nonconsecutive, an instructor may drop the student according to the drop deadline dates.
2. Absences in a Distance Education course are accounted for by monitoring academic attendance or attendance at an academically-related activity. A student will be considered to be "present" in a course if there is evidence of weekly participation in an academically-related activity including, but not limited to, physically attending in-person sessions of a hybrid course, submitting an academic assignment, taking an exam, substantively participating in a course online discussion, study group, or other synchronous or asynchronous activity, or by initiating contact with the instructor in matters related to the course. It is the responsibility of the instructor to define grounds for dismissal in the Distance Education course syllabus.
3. A student will be considered "absent" if there is no evidence of participation in an academically-related activity for the course for more than one week or if the student accumulates a consecutive or non-consecutive lack of academically-related activities of more than a week that is more than the number of times the class meets per week. For example, in a three-unit online class that would typically meet on campus three hours a week, one week's worth of missed academically-related assignment(s) or activity(ies) could be grounds for dismissal. A student who has not submitted assignments or participated in an academically-related activity for one week may be dropped from the course.
4. A student who must miss one or more classes because of a field trip or other authorized activity, such as athletics or music groups, will be issued an *Authorized Absence Excuse* (available in each division office) by the instructor under whose supervision the activity will occur. The student shall have this excuse signed by the instructors of the classes that will be missed ***before the absence occurs***. It is recommended that these transactions be carried out at least two days before the activity. The signed excuse must be presented to the instructor in charge of the activity, who shall in turn file it with the Admissions and Records Office upon the conclusion of the activity.
5. No absence excuses a student from making up class work missed. Students should realize that undue absences may adversely affect their grades.
6. In the event a student is absent for a prolonged period of time it is expected that contact will be made with the respective instructors immediately to advise the instructor of this absence and the reasons for it. The instructor may then decide whether or not the student may continue in the class or if it's in the student's best interest to withdraw. It should be noted that failure to make this contact and

follow through with the decisions made at this time could result in the student receiving a grade of "F" or "NP" in the class.

Student Responsibility: While an instructor may drop a student who has poor attendance, it is the student's responsibility to officially drop the class through myGateway. Failure to officially withdraw within the published deadlines may result in the assignment of a substandard grade. Refer to the Class Schedule for further instructions on "How to Add/Drop a Class."

Auditing

Auditing is available for currently enrolled students who have successfully completed a class for credit the maximum times allowed at Cypress College. Enrolled students who wish to audit a class must file an audit petition which is available at the Admissions and Records Office.

The petition must be submitted during the second week of the class. Upon consultation with the instructor and the dean of the division involved, the Admissions and Records Office will review the petition for approval or denial. Once the request has been approved, students will not be permitted to change from an audit to a credit status. Auditing a class does not result in a grade posted to the student's transcript. For required fees and additional information, contact the Admissions and Records Office.

Campus Instruction Acceptable Use Policy

Any copyrighted materials used in class are used for distance education purposes only and in compliance with United States copyright law. Use of these materials is limited to students enrolled in the course for the duration of the course. Students must refrain from saving, changing, and distributing any such copyrighted materials.

In addition, recordings of online/remote instruction and counseling sessions in platforms such as CypressZoom, Microsoft Teams, Google Classroom, and Cranium Cafe cannot be shared or posted without written consent of all individuals in the recording, including the professor. Cypress College and the State of California have strict privacy laws for class recordings and student confidentiality. Any student who records class or counseling sessions without consent, photos or screenshots of class, and/or posts class or counseling recordings, will be subject to disciplinary action under the Student Code of Conduct (BP 5500 and AP 5500).

NOTE: For students with disabilities in need of specific classroom and counseling accommodations, please consult with a DSS counselor.

Catalog Rights

Cypress College issues a new catalog each year. The information published in the catalog is in effect for the academic year beginning with the Fall semester and concluding with the Summer session.

The courses required for a specific degree or certificate, or general education may change from one catalog to the next and, therefore, may change during the period of time that a student attends the college. Catalog rights, established when a student first takes classes at the college, protect the student from being held for additional requirements that may be added to a later catalog.

For the purposes of meeting graduation or certificate requirements, students may elect to meet the requirement of either

1. The catalog that was in effect at the time they began taking courses at Cypress College, or
2. Any catalog that is or has been in effect during the time that they have maintained continuous enrollment before graduation, or
3. The catalog that is in effect at the time they file an application for a degree or certificate.

Students maintain catalog rights by maintaining continuous enrollment at Cypress College — that is, by receiving a grade of “A,” “B,” “C,” “D,” “F,” “CR,” “P,” “NC,” “NP,” “RD,” “W,” “EW,” or “I” on their transcripts for at least one course per academic year. Documented military or medical leave or attendance at another institutional accredited institution of higher learning will not be considered an interruption of enrollment. This policy supersedes all previous catalog rights provisions and applies only to programs at Cypress College.

The academic year is considered Fall and Spring and does not include the Summer term for continuous enrollment purposes.

Retroactive Awards

Students who are no longer enrolled at Cypress College and who have previously met all the requirements for a degree or certificate, but never applied for graduation shall, upon request:

- be awarded the degree or certificate without the need to re-enroll at Cypress College
- be awarded retroactively the degree or certificate in the last term in which the student maintained catalog rights.

Challenging Prerequisites, Corequisites, or Other Limitations on Enrollment

Grounds for Challenge

Where a student is denied enrollment in a program or course on the grounds that the student does not meet a prerequisite or corequisite, or on the basis of other limitations on enrollment, the student may challenge such prerequisite, corequisite or limitation on one or more of the following grounds:

1. The prerequisite, corequisite or other limitation on enrollment has not been established in accordance with the district's process for establishing prerequisites, corequisites, and other limitations on enrollment.
2. The prerequisite, corequisite or other limitation on enrollment is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.
3. The basis upon which the district has established an enrollment limitation does not in fact exist.

4. The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite.
5. The student will be subject to undue delay in attaining the goal of his or her educational plan because the prerequisite or corequisite course has not been made reasonably available by the college.

Burden of Proof

The student shall bear the burden of proof in demonstrating that grounds exist for the challenge.

1. In the case of a challenge under Grounds for Challenge number 4, the student shall provide evidence of knowledge and/or skills, by virtue of placement/assessment testing, academic course work, independent learning, experience, or a combination of these which are at least equivalent to the knowledge and/or skills the student would have possessed had he or she successfully completed the prerequisite or corequisite.
2. In the case of a challenge under Grounds for Challenge number 5, the student shall provide evidence that the student has declared a broad educational intent or specific educational goal and has developed a Student Educational Plan in conformity with the provisions of Section 55530(d) of Subchapter 6 of Chapter 6 of Division 6 of Title 5 of the - California Code of Regulations.

Challenge Procedure

Filing of Challenge:

1. A challenge with respect to any prerequisite, corequisite, or limitation on enrollment initiated pursuant to this policy shall be made upon the appropriate challenge form, which may be obtained from the Student Success and Support Program Office or the Office of Instruction.
 2. The completed challenge form must be filed with the Office of Instruction in accordance with the following deadlines:
 - a. for the Fall term, not earlier than Friday of the fifteenth week of the Spring semester and not later than the first day of instruction for the Fall semester;
 - b. for the Spring term, not earlier than Friday of the twelfth week of the Fall semester and not later than the first day of instruction for the Spring semester;
 - c. for the Summer intersession, not earlier than the first Monday in May and not later than the first day of final examinations for the Spring semester.
 3. In the case of a challenge under Grounds for Challenge number 4, the completed challenge form must be accompanied by appropriate evidence of skill or accomplishment such as placement/assessment results, transcripts from an accredited institution or appropriate foreign institution, work-related experience, or other evidence of relevant experience. To warrant consideration, any such evidence shall be of a clear and reliable nature.
-

Class Transfers

A student may change from one section to another of an identical course with the same or different instructors providing the instructors approve. The change may take place at the same or different level in the same subject area at any time during and up through the twelfth week for semester length classes, and by the last day to drop with a “W” for classes that meet less than the full length of the semester, provided both instructors approve. The class must be of like duration and within the same date range.

Students should consult the Admissions and Records Office for information on the required class transfer process and deadlines for classes that meet less than the full length of the semester.

Classification of Students

Students are classified as follows:

Full-time	Enrolled in twelve or more units
Part-time	Enrolled in fewer than twelve units
Freshman	Fewer than thirty units completed
Sophomore	Thirty or more units completed

Associated Student Office — Six (6) or more units per semester.

Athletic Eligibility — Twelve (12) units per semester, including Kinesiology classes

Study Load

Most full-time students take 12–14 units. Students must take a minimum of 12 units to be classified as full-time. The maximum load for any student is 21 units, exclusive of work experience and guidance classes. Exception to the 21-unit maximum may be available with counselor approval. It may be pertinent for students to consider the semester unit requirements under the Classification of Students for particular privileges and activities.

Complaints, Disputes, Grievances & Appeals

Complaints, Disputes, and Grievances

Cypress College adheres to laws and regulations and follows guidelines to resolve all types of complaints, disputes, and grievances related to college processes, procedures, employee conduct, discrimination, harassment, and sexual violence.

Many complaints, disputes, and grievances can be resolved informally by communicating with appropriate college personnel or accessing campus services. Where informal resolution is unsuccessful or inappropriate, a formal complaint may be filed and a formal investigation undertaken.

Student Non-Academic Complaints

Students who are dissatisfied with a campus process, procedure, or the conduct of a college employee may file a formal complaint. If appropriate, however, we encourage individuals to attempt informal resolution with college personnel first.

The Dean of Counseling and Student Development receives the dispute form.

Student Non-Academic Dispute

General Academic Appeal

Students may file petitions for exception and general appeals related to admission policies, readmission after academic dismissal, graduation, degree and certificate requirements, grades and credit, repetition of courses, academic renewal, and withdrawals.

The Admissions and Records office receives the exception form.

Petitions for Exception/General Appeals

Grade Change Appeal

An assigned grade may be formally appealed when there is evidence of one or more of the following conditions on the part of an instructor or staff member:

- a mistake in the assignment or the entry of the grade;
- fraud;
- bad faith;
- or incompetence.

Students who disagree with an assigned grade based on one or more conditions listed above may appeal for a grade change by completing the Final Grade Challenge form.

For information about the Grade Appeal process, please refer to the Cypress College Catalog.

The instructional dean who oversees the academic department receives the challenge form.

View the Grade Appeal Process

Final Grade Challenge Form

Unlawful Harassment or Discrimination

North Orange County Community College District Policies 3410 (Unlawful Discrimination), 3430 (Prohibition of Harassment), and 3540 (Sexual Assaults and Other Sexual Misconduct) prohibit discrimination, harassment (including sexual harassment), and sexual assault and misconduct in any educational, employment, or business program or activity of the District.

Students and employees who believe they have been subjected to unlawful discrimination, including harassment (which includes sexual harassment), or sexual assault, or who seek information regarding the

Unlawful Discrimination, Harassment, or Sexual Assault/Misconduct Policies should contact the Vice Chancellor of Human Resources.

Irma Ramos
Vice Chancellor, Human Resources
1830 W. Romney Drive
Anaheim, CA 92801-1819
(714) 808-4826
iramos@nocccd.edu

To file a formal complaint with the Vice Chancellor of Human Resources:

Unlawful Discrimination Complaint

Sexual Assault or Misconduct – Title IX

Cypress College upholds BP 3540 on Sexual Assaults and Other Sexual Misconduct. If students or employees believe they have experienced sexual assault or other forms of sexual misconduct and seek support or further information, they should reach out to the college's Title IX Coordinator for students or the NOCCCD Title IX Officer for employees.

Students

Celeste Phelps
Dean, Student Support Services
Title IX Coordinator
E: cphelps@cypresscollege.edu

Employees

Yasmine Andrawis
District Director, EEO & Compliance
NOCCCD Title IX Officer
E: yandrawis@nocccd.edu

Students or employees who have experienced sexual assault or misconduct either on campus or at a college event/activity and wish to submit a complaint can initiate the process by choosing the relevant option below.

Student Title IX

Employee Title IX

Computing Resources Acceptable Use Policy

PURPOSE: The purpose of this document is to explain the terms of use for instructional computing resources available to students of Cypress College. All computing resources are intended to support the research and educational mission of Cypress College; their use is a privilege and a responsibility. The use of computing resources is subject to all applicable local, state and federal laws, the general guidelines outlined in this document, and any specific guidelines in effect at individual campus computing centers.

DEFINITION: As used in this document, computing resources include (but are not limited to): personal computers, laptops, mobile devices (tablets), Local Area Network (LAN), Wide Area Network (WAN), wireless system, printers and related peripheral devices, software applications such as Microsoft Office Suite, Library Systems Catalogs/Databases, all Internet

resources and services and all other computer related technology and resources made available on campus.

CAMPUS COMPUTING CENTERS: Individual computing centers maintain their own specific policies regarding the use of their resources. Users of individual computing centers are to follow these policies. Computing centers are authorized to enforce both the campus Acceptable Use Policy and their own individual policies. Users who establish individual computer accounts for use of Internet email or other applications will be required to sign an agreement to abide by the policies of the computing center issuing those accounts.

ENFORCEMENT: *The Acceptable Use Policy is intended to establish and declare the personal responsibility of every individual who uses any computing resource at Cypress College.* By making this policy public and available to all users of computing resources on the campus, Cypress College and its designated representatives reserve the right to deny any or all computing privileges from any individual who refuses to follow the guidelines for responsible computing use. Cypress College also reserves the right to limit, restrict, or deny access to any and all computing resources as the individual situation may require.

GENERAL GUIDELINES: The following guidelines are to be followed by every individual who makes use of computing resources at Cypress College:

- *The use of computing resources and any resources accessed by them is for the instructional purposes of Cypress College.* Individual computing centers reserve the right to restrict activities such as personal email or games when instructional needs require computing resources.
- *No tampering with the computing resources.* This includes but is not limited to: connecting or disconnecting computer equipment, unauthorized loading of software on a computer, or otherwise altering the set-up of any computer or network of computers in any way.
- *No illegal use of computing resources.* This includes but is not limited to:
 - a. Loading virus programs onto or from any computer system
 - b. Using the Internet or other telecommunications-based resources to transfer illegal materials or unauthorized versions of copyrighted material
 - c. Using the Internet to harass, terrorize
 - d. Blackmail
 - e. Defraud or otherwise abuse another person
 - f. Using any computing resource in such a manner that it constitutes the breaking of a District or campus policy, or a local, state, or federal law.
- *No use of computing resources for financial or political gain.* This includes but is not limited to: sending "chain letters" or other unauthorized and illegal correspondence, advertising, marketing or selling of products, and campaigning for any political cause or individual.
- *No violation of other individuals' privacy or rights.* This includes but is not limited to: accessing another person's account or any data stored and used by that person, sharing another person's private correspondence with others, destroying or modifying data that belongs to someone else, or sending offensive messages of any kind.
- *Observe all regulations and rules of the individual computing centers.* This includes but is not limited to: observing hours of operation, maintaining a reasonable level of quiet in order for others to work, and

following all that center's policies regarding food and beverage use, time limits, printing and downloading, and any other terms of use.

- *Failure to follow these guidelines may result in disciplinary action on the part of Cypress College and any of its designated representatives (including individual computing centers).* Such action may include: restriction or suspension of computing privileges at any or all individual campus computing centers, suspension of other campus privileges, including registration and enrollment, and notification of law enforcement officials.

Course Double Counting

Students are permitted to double count courses to meet major and general education requirements for graduation. Students cannot double count units of credit. Further information can be obtained from the offices of Counseling and Admissions and Records.

Course Numbering

Courses completed at Cypress College will transfer to other community colleges.

001 C - 099 C:

Courses numbered are basic skills, occupational and/or technical and designed in content and organization for students who do not intend to transfer for the Bachelor's degree.

100 C - 299 C:

Courses numbered from 100 C–299 C (including Honors courses) have been certified by Cypress College as being of baccalaureate level for the current school year and as such are transferable to any campus of the California State University system.

300 C - 499 C:

Courses numbered from 300 C - 499 C Upper division courses that are reserved for students that have been admitted to Cypress baccalaureate program.

N001 C - N099 C:

Courses numbered from N001C-N099 C are non credit courses that do not provide units of credit and are not applicable to the associate degree and do not transfer to four-year institutions.

C1000:

See the Common Course Numbering tab above.

NOTE: The transfer institution, however, will determine the extent to which a course satisfies the requirements of a particular degree program. Credit not otherwise applied shall be accepted as general electives to the extent that the particular degree objective permits. Students who plan to transfer to any campus of the University of California or other university or college should check with a counselor for transferable courses since some universities do not accept all courses numbered 100 C–299 C.

What is Common Course Numbering (CCN)?

The Common Course Numbering (CCN) system provides a streamlined and consistent approach to course numbers and titles across California Community College systems. This system helps students transfer credits more easily by ensuring that similarly titled courses cover equivalent content and meet similar learning objectives. With CCN, students can enroll in courses that align with their educational goals without transfer issues.

Why do we need CCN?

The primary purpose of CCN is to create a student-friendly system for course registration and credit transfers. By standardizing course numbers and titles across California Community Colleges, CCN reduces confusion, supports academic planning, and enables smooth transitions between colleges and universities.

Does this benefit students?

The Common Course Numbering system provides several key benefits for students:

- **Simplified Transfer Process:** Courses with matching numbers and titles are automatically accepted for credit transfer between participating institutions.
- **Reduced Redundancy:** Students can avoid retaking similar courses, saving time and tuition costs.
- **Clear Pathways:** CCN clarifies course progression, supporting students in completing their degrees efficiently.

CCN Courses Offered at Cypress:

COMM C1000 Introduction to Public Speaking (formerly COMM 100 C Human Communication)

3 Units

Term hours: 54 Lecture. In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. Introduction to the foundational knowledge and principles which underlie effective oral communication. Practical In order to enable students to successfully communicate ideas in a democratic society, practical public speaking experience, emphasizing research, critical analysis, organization, and delivery, will be required in multiple speaking assignments including informative and persuasive speeches. Students will also learn how to effectively and critically evaluate the communication of others. Duplicate credit not granted for COMM C1000H. (UC Credit Limitation/CSU, AA GE, C-ID:COMM 110).

COMM C1000H Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication) 3 Units

Term hours: 54 Lecture. In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience, and evaluation of various types of speeches, including informative and persuasive speeches. This is an honors course. Introduction to the foundational knowledge and principles which underlie effective oral communication and public speaking. In order to enable students to successfully communicate ideas in a democratic society, practical public speaking experience, emphasizing research, critical analysis, organization, and delivery, will be required in multiple speaking assignments including informative and persuasive speeches. Students will also learn how to effectively and critically evaluate the communication of others. This is an enhanced version of COMM 100C. Duplicate credit not granted for COMM C1000. (UC Credit Limitation/CSU, AA GE, C-ID:COMM 110).

ENGL C1000 Academic Reading and Writing (formerly: ENGL 100 C College Writing) 4 Units

Prerequisite(s): Placement as determined by the college's multiple measures assessment process

Term Hours: 72 lecture. In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. English C1000 is a college level course in written communication. It is designed to develop reading, critical thinking, and writing strategies necessary for academic success. The emphasis is on writing expository essays. The course requires the use of research and documentation skills. Duplicate credit not granted for ENGL C1000H. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID:ENGL 100).

ENGL C1000H Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing) 4 Units

Prerequisite(s): Placement as determined by the college's multiple measures assessment process

Term Hours: 72 lecture.. In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This is an honors course. ENGLISH C1000H is a college level course enhanced for Honors students. The emphasis is on reading and writing expository essays. The course will develop increased critical thinking, reading and writing skills. The class will be conducted as a seminar and will require a significant research project that uses correct documentation skills. Duplicate credit not granted for ENGL C1000. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID:ENGL 100).

ENGL C1000E Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing) 5 Units

Prerequisite(s): Placement as determined by the college's multiple measures assessment process

Term hours: 90 Lecture. In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This course includes embedded support. This course in college-level composition is designed to develop the reading, critical thinking, and writing strategies necessary for academic success. The emphasis is on reading and writing expository essays. The course includes research and documentation skills. This course includes a fifth hour of instruction per week to help students develop the reading, writing, and study skills necessary for academic success (CSU/UC, AA GE, Cal-GETC, C-ID: ENGL 100).

ENGL C1001 Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing) 4 Units

Prerequisite(s): College-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent or ESL 110 C with a grade of C or better

Term Hours: 72 Lecture. In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. This course is designed to develop critical thinking, reading, and writing skills beyond the level achieved in ENGL C1000. The course will focus on the development of logical reasoning and analytical and argumentative writing skills. (UC/CSU, AA GE, Cal-GETC, RDG, C-ID: ENGL 105).

ENGL C1001H Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing) 4 Units

Prerequisite(s): College-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent or ESL 110 C with a grade of C or better

Term hours: 72 lecture. In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. This is an honors course. This Honors enhanced course is designed to develop critical thinking, reading, and writing skills beyond the level achieved in ENGL C1000. The course will focus on the enhanced development of logical reasoning and analytical and argumentative writing skills. Writing expanded argumentative research essays, and utilizing enhanced research strategies and documentation skills will be required. Duplicate credit not granted for ENGL C1001. (UC/CSU, AA GE, Cal-GETC, RDG, C-ID:ENGL 105).

POLS C1000 American Government and Politics (formerly: POSC 100 C United States Government) 3 Units

Advisory: Eligibility for college-level writing (C-ID ENGL 100) Term hours: 54 lecture

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This course covers the political theories and practices of United States Government at national, state and local levels. Duplicate credit not granted for POLS C1000. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:POLS 110).

POLS C1000H American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government) 3 Units

Advisory: Eligibility for college-level writing (C-ID ENGL 100)

Term hours: 54 lecture. This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This is an honors course. This course is an enhanced college level course enhanced for honors students. It covers the political theories and practices of the United States Government at national, state and local levels. Duplicate credit not granted for POLS C1000. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:POLS 110).

PSYC C1000 Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)**3 Units****Advisory:** Eligibility for college-level writing (C-ID ENGL 100) and reading (a course with an existing skill of ability to read a college level text)

Term hours: 54 lecture. This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Specifically, this course is a scientific consideration of the psychological foundations of behavior. It will investigate psychological development, motivation, sensation, perception, learning, thinking, language, psychological measurement, and principles of mental illness and mental health. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:PSY 110).

PSYC 101HC Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)**3 Units****Advisory:** Eligibility for college-level writing (C-ID ENGL 100) and reading (a course with an existing skill of ability to read a college level text)

Term hours: 54 lecture. This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course. This course, enriched for honors students, is a scientific introduction to the major areas of psychology. These areas include research methodology, consciousness, cognition, memory, perception, sensation, motivation, emotion, learning, development, personality, abnormal psychology, and physiological psychology. Students will examine, demonstrate and critique principles, theories, and research on human cognition, emotion, behavior, and conscious experience. The course uses lecture, multimedia presentation, class discussion, online communication, simulations, online resources, and research projects to enhance the learning experience of students. Duplicate credit not granted for PSYC C1000. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:PSY 110).

STAT C1000 Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)**4 Units****Prerequisite(s):** Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra**Advisory:** Through the multiple measures' evaluation process, students may be required to take MATH 120PC with the paired support course MATH 012 C

All students may take MATH 120PC with the support course MATH 012C. Term hours: 72 lecture. This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Topics also include measures of central tendency and dispersion, sampling techniques, parametric and non-parametric tests of hypotheses, and point and interval estimation. Applications to business, life sciences, health sciences, and social sciences are emphasized. Students will use computer software and/or graphing calculators for statistical analysis of various topics. This course requires the use of a graphing calculator comparable to the TI-83/84. Duplicate credit not granted for MATH 120PC, MATH 126 C, PSY 161 C, PSY 161HC, SOC 161 C, or SOC 161HC. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID: MATH 110 and SOCI 125).

Course Repetition

1. Students may repeat no more than two times the same course in which substandard grades or W's were assigned at Cypress and Fullerton Colleges. Substandard grades are considered to be D, F, NC, or NP.
2. The college shall exclude the first two substandard grades a student has earned in a course offered at a college within the District in computing the overall grade point average if the student repeats the course two times.
3. Students may submit a Course Repeat Adjustment form to have a substandard grade, grade points, and units excluded from the computation of the student's grade point average in accord with college procedures.
4. An assignment of MW in accord with provisions related to military service shall not count toward the college computation or exclusion related to probation or dismissal.
5. An assignment of MW shall not count toward the maximum allowable number of repetitions to which the student would otherwise be entitled.
6. Students who have previously earned a grade of C or better in a course offered at the colleges within the District shall be allowed to repeat the course under certain conditions.
7. In accord with a determination that such repetition is required as a disability-related accommodation for a particular student, repetition in a special class for students with disabilities shall be allowed.
8. When course repetition occurs, the permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history.

Board Policy 4225 and Administrative Procedure 4225 outline course repetition policies and procedures.

Effective 2013, most *active participatory* courses in Art, Dance, Theater, Music, and Kinesiology are no longer repeatable.

NOTE: Exceptions for active participatory courses still designated as repeatable are indicated in course descriptions of the college catalog and class schedules with the statement, "May be taken for credit 4 times."

In addition, active participatory courses that are related in content have been placed in distinct "families" and are limited to 4 course enrollments (withdrawals and substandard grades will be counted towards the 4 enrollment maximum). Courses that fall into the "family" limitation can be viewed under the academic department course section in this catalog for the departments listed above. If students are majoring in any of these disciplines, they are advised to see their counselor to discuss options.

Students may repeat a course where the student has received a satisfactory grade and there has been a "significant lapse of time" since

completion of the class. Cypress College has defined a “significant lapse of time” as five (5) years.

Students must submit a Petition for Exception to the Admissions and Records Office to request such a course repeat. Petition forms are available at the Admissions and Records Office.

Credit for Prior Learning or Non-Collegiate Instruction

Cypress College grants up to 30 units of undergraduate degree credit for successful completion of non-collegiate instruction, either military or civilian, appropriate to the baccalaureate for learning, knowledge or skills-based experience, or that has been recommended by the Commission on Educational Credit and Credentials of the American Council on Education.

Students who have at least one year of active military service may be granted 4–12 units of undergraduate credit. Every effort should be made to assure that “military” credit is used to advance individuals toward degree completion.

Requests for Credit for Prior Learning will be evaluated individually. Students should see a counselor for further information regarding military credit.

The basic purpose of Credit by Examination is to allow unit credit, for prior or advanced knowledge of class material. Credit by Examination is also considered “challenging a course.” Students may request a challenge of subject matter in which they are especially qualified through previous training or experience. Examinations will be sufficiently comprehensive to determine if the student has essentially the same knowledge and skills as a student who successfully completes the course.

Credit by Examination is available under the regulations listed below:

1. Students must be currently enrolled at Cypress College in a course other than the course being challenged.
2. Students must contact the division office to obtain the courses that can be challenged.
3. Credit by Examination may be taken only for a course listed in the catalog of the community college the challenge course is offered.
4. Students should read the course description in the catalog to gain understanding of the class content.
5. Students can receive credit for a maximum of 15-semester units.
6. A previous enrollment or audit for a course, a grade (including a W) prevents a challenge.
7. Prior credit or advanced placement cannot have been previously received.
8. Credit by Examination is not intended to replace make-up examinations for college courses not completed or courses taken in high school.

9. Less advanced courses cannot be challenged if they are considered lower in degree than those already taken.
10. Students may challenge a course only once.
11. Credit by Examination will not be posted to the transcript until all fees or holds have been resolved.
12. Credit by Examination is graded on a Pass/No Pass basis. If students choose to have passing results recorded on their permanent record, the Pass (P) grade and the unit value will appear with a notation indicating the credit was obtained by Credit by Examination.
Note: A Pass/No Pass option should be discussed with a counselor if a student is planning to transfer to a four-year institution. Many transfer institutions do not accept Credit (CR) or Pass (P) grades for major, minor and general education requirements.
13. Some of the courses challenged may be taken for a letter grade and will be posted to the student’s permanent record with a notation that the credit was obtained by Credit by Examination; however, it will not count towards the twelve residency units required by Cypress College to earn an associate degree.

To initiate a petition for Credit by Examination, students must confer with the instructor and Division Dean no later than the eighth week of the semester. Criteria for petition approval will be determined by the division. General guidelines will include evidence of previous learning experience and evidence to indicate probable success in the examination.

If it is determined that a student’s prospects for examination success are satisfactory, the student must obtain the signatures of the instructor and dean on the Credit by Examination petition. The student must submit the completed petition to the division dean no later than the end of the eighth week of the semester. The time and place of the examination, its content, and the arrangement for its administration are determined by the division. The examination must be given before the end of the semester and students must contact the division for the examination results.

The following courses may be challenged by examination:

Aviation and Travel Careers	See Department Program Director
Dental Assistant Courses	See Department Program Director
Dental Hygiene Courses	See Department Program Director
Health Info Tech Courses	See Department Program Director
Health Science Courses	See Division Dean
Mortuary Science Courses	See Department Program Director
Nursing Courses	See Department Program Director
Kinesiology Courses	Contemporary Personal Health
Psychiatric Tech Courses	See Department Program Director

*Other divisions not listed may offer Credit By Examination, see Major Area Counseling Faculty for more information.

Students with an earned associate, baccalaureate or higher degree from a institutional accredited institution of higher learning will not be required to complete any additional general education coursework to earn an Associate degree. Students who have been admitted to a Bachelor Degree program at Cypress College and who have already earned a baccalaureate or higher degree from a institutional accredited institution of higher education shall not be required to complete additional upper

division general education requirements and shall be required to complete only the coursework necessary for graduation.

External Exam Credit

A passing score on an AP exam, CLEP exam, or IB exam may allow a student to receive subject credit for various requirements. The college utilizes external exam scores for placing students in appropriate course work in some cases as well as waiving students from specified occupational degree and/or certificate major course work or college graduation requirements. Please see a counselor for more information. Information regarding which subjects can receive local external exam (AP, CLEP, IB) credit can be obtained from A&R and Counseling Offices.

NOTE: Students should not take classes for which they have earned external exam credit unless a specific university requires a higher score and/or their university major requires it. Duplicative credit will not be awarded by the college or transfer university. Students should talk to their counselor if they are uncertain whether or not their university major requires a course that they have already received AP, CLEP, or IB credit to determine if they have earned the appropriate score, or need to take the course. Students must file a petition in the Office of Admissions and Records (A&R) to have external exam credit reflected on the college transcript. **It is strongly recommended that students discuss the applicability of external exam credit with a Cypress College Counselor before submitting the Petition form to A&R.**

Petition

The petition form may be obtained from the A&R Office or via link to downloadable forms on the college website:
<https://www.cypresscollege.edu/admissions-records/admissions-records-forms/>

In order for the external exam credit to be applied via petition, the official AP, CLEP, or IB scores must be on file in the A&R Office or submitted at the time of petition. Students must have the College Board send exam results to A&R (or hand carried copies are also accepted as long as they are in a sealed envelope).

Receiving Institution Credit

External exam credit (AP, CLEP, IB) awarded for transfer admission and major requirements is determined by the receiving institution.

University of California (UC)

The UC policy for external exam credit as it applies toward a student's major is located in the *Quick Reference for Counselors* guide, available for reference in Counseling Offices and the Transfer Center and is also online at <https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/>.

California State University (CSU)

Individual CSU campuses' admissions websites list the external exam credit for major-specific requirements. Click on the link for each campus at www.calstate.edu/search_find/campus.shtml?source=homepage.

NOTE: Students may earn credit for AP, or IB exams to satisfy Cal-GETC (for CSU or UC transfer), and A.A/A.S.. general education (GE). Information on scores that are accepted for the different exams toward specific categories of these general education patterns and the number of units awarded for each category is listed in the following policy section.

NOTE: Course credit and units granted by Cypress College for general education may differ from course credit and units granted by a transfer institution toward a student's admission or transfer major program requirements. Students should visit each transfer institution's catalog for their external exam policy for admission or major.

AP Examination	AP Scores	FC Majors & Unit Credit	FC AA GE Area Credit	Cal-GETC Area Credit (Includes Amer Ideals)	CSU Transfer Units	UC Transfer Units
Art History	3, 4, 5	ART 111 C and ART 112 C 6 Semester Units	3A or 3B 3 Semester Units	3A or 3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 Semester units

Art (Studio) Drawing	3, 4, 5	ART 182 C 9with portfolio approval) semester units	n/a	n/a	3 Semester Units	8 Quarter/5.3 semester Units
Art (Studio) - 2D, 3D	3, 4, 5	3 Semester Units - Electives	n/a	n/a	3 Semester Units	8 Quarter/5.3 semester Units
Biology	3, 4, 5	BIOL 101 C 4 Semester Units	5 4 Semester Units	5B and 5C 4 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Calculus AB	3, 4, 5	MATH 150AC 4 Semester Units	2 4 Semester Units	2 3 Semester Units	3 Semester Units	4 Quarter/2.6 Semester Units
Calculus BC	3, 4, 5	MATH 150AC and MATH 150BC 8 Semester Units	2 4 Semester Units	2 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Calculus BC/AB Subscore	3, 4, 5	MATH 150AC 4 Semester Units	2 3 Semester Units Minimum	2 3 Semester Units	3 Semester Units	8 Quarter/5.3 semester Units
Chemistry	3, 4, 5	CHEM 101 COR CHEM 107 C(score of 3) 5 Semester Units CHEM 111AC (Score of 4 or 5) 5 Semester Units	5 5 Semester Units	5A and 5C 4 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Chinese Language and Culture	3, 4, 5	CHIN 101C and CHIN 102 C 10 Semester Units	3B 3 Semester Units	3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Computer Science A	3, 4, 5	CIS 211 C and CIS 226 C 6 Semester Units	n/a	n/a	3 Semester Units	2 Quarter/1.3 Semester Units
Computer Science AB	3, 4, 5	CIS 211 C and CIS 226 C 6 Semester Units	n/a	n/a	6 Semester Units	4 Quarter/2.6 Semester Units
Computer Science Principals	3, 4, 5	CIS 211 C and CIS 226 C 6 Semester Units	1B	n/a	6 Semester Units	8 Quarter/5.3 semester Units
Economics (Macro)	3, 4, 5	ECON 100 C 3 Semester Units	4 3 Semester Units	4 3 Semester Units	3 Semester Units	4 Quarter/2.6 Semester Units
Economics (Micro)	3, 4, 5	ECON 105 C 3 Semester Units	4 3 Semester Units	4 3 Semester Units	3 Semester Units	4 Quarter/2.6 Semester Units
English Language and Composition	3, 4, 5	ENGL C1000 4 Semester Units	1A 3 Semester Units	1A 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
English Literature and Composition	3, 4, 5	ENGL C1000 or ENGL 102 C 3-4 Semester Units	1A or 3B 3 Semester Units	1A or 3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Environmental Science	3, 4, 5	No Subject Credit Applies	5 4 Semester Units	5A and 5C 3 Semester	4 Semester Units	4 Quarter/2.6 Semester Units
French Language	3, 4, 5	FREN 101 C and FREN 102 C 10 Semester Units	3B 5 Semester Units	n/a	6 Semester Units	8 Quarter/5.3 semester Units
French Language and Culture	3, 4, 5	FREN 101 C and FREN 102 C 10 Semester Units	3B 5 Semester Units	3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
French Literature	3, 4, 5	No Subject Credit Applies	3B 5 Semester Units	n/a	6 Semester Units	8 Quarter/5.3 semester Units
German Language	3, 4, 5	GERM 101 C and GERM 102 C (Cypress no longer offers courses) 10 Semester Units	3B 5 Semester Units	n/a	6 Semester Units	8 Quarter/5.3 semester Units

German Language and Culture	3, 4, 5	GERM 101 C and GERM 102 C (Cypress no longer offers courses) 10 Semester Units	3B 5 Semester Units	3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Government and Politics - Comparative	3, 4, 5	POSC 215 C 3 Semester Units	4 3 Semester Units	4 and US-2 3 Semester Units	3 Semester Units	4 Quarter/2.6 Semester Units
Government and Politics - U.S.	3, 4, 5	POLS C1000 3 Semester Units	4 3 Semester Units	4 and US-2 3 Semester Units	3 Semester Units	4 Quarter/2.6 Semester Units
History - European	3, 4, 5	HIST 110C and HIST 111 C 6 Semester Units	3B or 4 3 Semester Units	3B or 4 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
History - U.S.	3, 4, 5	HIST 170 C and HIST 171 C 6 Semester Units	3B or 4 3 Semester Units	3B or 4 and US-1 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
History - World Modern	3, 4, 5	HIST 112 C and HIST 113 C 6 Semester Units	3B or 4 3 Semester Units	3B or 4 3 Semester Units	3 Semester Units	8 Quarter/5.3 semester Units
Human Geography	3, 4, 5	GEOG 160 C 3 Semester	4 3 Semester Units	4 3 Semester Units	3 Semester Units	4 Quarter/2.6 Semester Units
Italian Language and Culture	3, 4, 5	No Subject Credit Applies	3B 3 Semester Units	3B 5 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Japanese Language and Culture	3, 4, 5	JAPN 101 C and JAPN 102 C 10 Semester Units	3B 3 Semester Units	3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Latin	3, 4, 5	No Subject Credit Applies	3B 3 Semester Units	3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Latin Literature	3, 4, 5	No Subject Credit Applies	3B 3 Semester Units	n/a	6 Semester Units	4 Quarter/2.6 Semester Units
Latin: Vergil	3, 4, 5	No Subject Credit Applies	3B 3 Semester Units	n/a	3 Semester Units	4 Quarter/2.6 Semester Units
Music Theory	3, 4, 5	MUS 103 C, MUS 104 C, MUS 106 C 8 Semester Units	3A 3 Semester Units	n/a	6 Semester Units	8 Quarter/5.3 semester Units
Physics B	3, 4, 5	PHYS 130 C 4 Semester Units	5 4 Semester Units	n/a	6 Semester Units	8 Quarter/5.3 semester Units
Physics 1 or 2	3, 4, 5	PHYS 130 C 4 Semester Units	5 4 Semester Units	5A + 5C 3 Semester Units	4 Semester Units	8 Quarter/5.3 semester Units
Physics C Mechanics	3, 4, 5	PHYS 130 C 4 Semester Units	5 4 Semester Units	5A + 5C 3 Semester Units	4 Semester Units	4 Quarter/2.6 Semester Units
Physics C Electricity and Magnetism	3, 4, 5	PHYS 130 C 4 Semester Units	5 4 Semester Units	5A + 5C 3 Semester Units	4 Semester Units	4 Quarter/2.6 Semester Units
Pre-Calculus	3, 4, 5	MATH 141 C and MATH 142 C 8 Semester Units	2 3 Semester Units	n/a	3 Semester Units	n/a
Psychology	3, 4, 5	PSYC C1000 3 Semester Units	4 3 Semester Units	4 3 Semester Units	3 Semester Units	4 Quarter/2.6 Semester Units
Spanish Language	3, 4, 5	SPAN 101 C and SPAN 102 C 10 Semester Units	3B 5 Semester Units	n/a	6 Semester Units	8 Quarter/5.3 semester Units
Spanish Language and Culture	3, 4, 5	SPAN 101 C and SPAN 102 C 10 Semester Units	3B 5 Semester Units	3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Spanish Literature	3, 4, 5	No Subject Credit Applies	3B 5 Semester Units	n/a	6 Semester Units	8 Quarter/5.3 semester Units

Spanish Literature and Culture	3, 4, 5	No Subject Credit Applies	3B 5 Semester Units	3B 3 Semester Units	6 Semester Units	8 Quarter/5.3 semester Units
Statistics	3, 4, 5	STATS C1000 4 Semester Units	2 4 Semester Units	2 3 Semester Units	3 Semester Units	4 Quarter/2.6 Semester Units

Students must have the College Board send AP exam results to the Admissions Office (hand carried copies will not be accepted). Students may earn credit for Advanced Placement (AP) Tests with scores of 3, 4, or 5. AP credit can be used to meet Cal-GETC, Cypress College AA/AS GE and/or Cypress College course credit as indicated in the chart above.

- Cypress College (CC) Majors:** Students should be aware that AP test credit is evaluated by corresponding it to an equivalent CC course.
 - Example:** Econ 100C for Macro AP Exam. A student who receives AP credit and then takes the equivalent CC course will have the unit credit for such duplication deducted prior to being awarded the AA degree.
- AA GE:** The AP exams will be applied in the respective GE area as noted. GE AP credit may be different than AP credit applied toward a Cypress College associate degree or certificate program major.
- Cal-GETC:** AP exams must be used in the area indicated regardless of where the certifying institution's discipline is located.
- Credit by AP exam is noted and listed first on a student's transcript, with units and credit (CR) assigned.
 - Example:** AP History: World History 3.00 CR.
- There is no equivalent AP exam for the Area 1B, Critical Thinking/Composition requirement.
- AP exams may be used in either area regardless of where the certifying CCC's discipline is located.
- AP exams in Biology, Chemistry, or Physics B earn 4 semester or 5 quarter units towards toward Cal-GETC certification.
- AP exams in Environmental Science, Physics C: Mechanics and Physics C: Electricity/Magnetism earn 3 semester or 4 quarter units toward Cal-GETC certification.

The following resources were used in updating the chart above:

https://icas-ca.org/wp-content/uploads/2024/07/Cal-GETC_Standards_1v2_2024.pdf

<https://calstate.policystat.com/policy/17651164/latest/>

<https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/>

CLEP Examination	CLEP Approved Scores	FC AA GE Approved Credit (3 units)	CSU Units Earned Toward Transfer
American Government	50 or above	4	3 semester units
American Literature	50 or above	3B	3 semester units
Analyzing and Interpreting Literature	50 or above	3B	3 semester units
Biology	50 or above	5	3 semester units
Calculus	50 or above	2	3 semester units
Chemistry	50 or above	5	3 semester units
College Algebra	50 or above	2	3 semester units
College Algebra - Trigonometry	50 or above	2	3 semester units
College Composition	50 or above	1A	n/a
English Literature	50 or above	3B	3 semester units
French Level II	59 or above	3B	3 semester units
Freshmen College Composition	n/a	1A	n/a
German Level II	60 or above	3B	3 semester units
History, United States I	50 or above	4	3 semester units
History, United States II	50 or above	4	3 semester units
Human Growth and Development	50 or above	4	3 semester units
Humanities	50 or above	3B	3 semester units
Introductory Psychology	50 or above	4	3 semester units
Introductory Sociology	50 or above	4	3 semester units
Natural Sciences	50 or above	5	3 semester units
Pre-Calculus	50 or above	2	3 semester units
Principles of Macroeconomics	50 or above	4	3 semester units
Principles of Microeconomics	50 or above	4	3 semester units
Spanish Level II	63 or above	3B	3 semester units
Spanish Level with Writing Level I	50 or above	n/a	6 semester units

Spanish Level with Writing Level II	63 or above	3B	3 semester units
Trigonometry	50 or above	2	3 semester units
Western Civilization I	50 or above	3B or 4	3 semester units
Western Civilization II	50 or above	3B or 4	3 semester units

IB Examination	IB Score	FC AA GE Area Credit	Cal-GETC Area Credit (Includes Amer Ideals)	CSU Transfer Units	UC Transfer Units
Biology HL	5, 6, 7	Area 5 (3 Units)	5B	3 Semester Units	8 qtr/5.3 sem units
Chemistry	5, 6, 7	Area 5 (3 Units)	5A	3 Semester Units	8 qtr/5.3 sem units
Economics HL	5, 6, 7	Area 4 (3 Units)	4	3 Semester Units	8 qtr/5.3 sem units
Geography HL	5, 6, 7	Area 4 (3 Units)	4	3 Semester Units	8 qtr/5.3 sem units
History (any region) HL	5, 6, 7	Area 4 (3 Units)	3B or 4	3 Semester Units	8 qtr/5.3 sem units
Language A: Literature (any language, except English) HL	4, 5, 6, 7	Area 3B (3 Units)	3B	3 Semester Units	8 qtr/5.3 sem units
Language A: Language and Literature (any language, except English) HL	4, 5, 6, 7	Area 3B (3 Units)	3B	3 Semester Units	8 qtr/5.3 sem units
Language A: Literature (any language) HL	5, 6, 7	Area 3B (3 Units)	3B	3 Semester Units	8 qtr/5.3 sem units
Language A: Language and Literature (any language) HL	5, 6, 7	Area 3B (3 Units)	3B	3 Semester Units	8 qtr/5.3 sem units
Mathematics: Analysis and Approaches HL	4, 5, 6, 7	Area 3B (3 Units)	3B	3 Semester Units	8 qtr/5.3 sem units
Mathematics: Applications and Interpretations HL	4, 5, 6, 7	Area 2 (3 Units)	2 (may not be at all UCs)	3 Semester Units	8 qtr/5.3 sem units
Physics HL	5, 6, 7	Area 5 (3 Units)	5A	3 Semester Units	8 qtr/5.3 sem units
Psychology HL	5, 6, 7	Area 4 (3 Units)	4	3 Semester Units	8 qtr/5.3 sem units
Theatre HL	4, 5, 6, 7	Area 3A (3 Units)	3A	3 Semester Units	8 qtr/5.3 sem units

1. ** The IB Curriculum offers language at various levels for the native and non-native speakers. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively and therefore, satisfy Humanities GE areas, not English Composition. Language B courses are offered at the intermediate level for non- natives. Policies may differ for CSU and UC systems as noted.

2. Credit for International Baccalaureate (IB) High Level exams is similar to AP exams. Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both.

3. Actual IB transfer credit (including possible differences in units to be awarded beyond those used for Cal-GETC certification) awarded for these and other IB exams at admission is determined by the CSU and UC. • The UC Policy for IB credit • The CSU system-wide minimums policy, CSU Systemwide Credit for External Examinations governing the use of these and

other IB exams for awarding general education credit.

The following resources were used in updating the chart above:

https://icas-ca.org/wp-content/uploads/2024/07/Cal-GETC_Standards_1v2_2024.pdf <https://calstate.policystat.com/policy/17651164/latest/>
<https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/>

College Level Examination Program (CLEP) Scores Applied to General Education

A student earning a score of 50 or above on a CLEP exam meets the following general education (GE) areas. The Cypress College transcript will show the CLEP exam credit applicable to the Native AA/AS GE as detailed below. Admissions and Records evaluators will adjust CLEP exam credit as applicable when a student applies for CSU GE Breadth or IGETC certification.

This CLEP policy information for CSU GE Breadth is available at: <http://www.calstate.edu/AcadAff/codedMemos/AA-2015-19.pdf>. **CLEP scores may not currently be used for IGETC.**

Note: *Students **should not repeat classes** for which they have earned CLEP credit unless a specific university requires it for their major. CLEP transfer credit awarded for admission and transfer major requirements is determined by the CSU.

CLEP Exam	CSU GE Approved Credit (Includes American Institutions)	CCC GE Approved Credit
American Government	D8	D
American Literature	C2	C2
Analyzing and Interpreting Literature	C2	C2
Biology	B2	B1
Calculus	B4	B2
Chemistry	B1	B1
College Algebra	B4	B2
College Algebra - Trigonometry	B4	B2
College Composition	n/a	A1
English Literature	C2 (prior to F'11)	C2
French Level II	C2 (prior to F'15 only)	C2
Freshman College Composition	n/a	A1
German Level II	C2	C2
History, United States I	D6 and US-1	D
History, United States II	D6 and US-1	D
Human Growth and Development	E	D
Humanities	C2	n/a
Introductory Psychology	D9	D
Introductory Sociology	D0	D
Natural Sciences	B1 or B2	B1
Pre-Calculus	B4	B2
Principles of Macroeconomics	D2	D
Principles of Microeconomics	D2	D
Spanish Level II	C2	C2
Trigonometry	B4 (prior to F'06 only)	B2
Western Civilization I	C2 or D6	C2 or D
Western Civilization II	D6	C2 or D

Note: CLEP Exams that do not receive credits for the CSU GE or Cypress College Native GE patterns are excluded from the table above.

External Exam Credit Policies

AP Examination	AP Scores	FC Majors & Unit Credit	CCC AA GE Approved Credit Approved Score	CSU GE Breadth Approved Credit (Includes American Institutions)	CSU Unit Earned Toward Transfer	IGETC Approved Credit (Includes American Institutions)	UC Units Earned Toward Transfer
Art History	3,4,5	ART 111 C and ART 112 C: 6 semester units	C1 or C2: 3 semester units	C1 or C2: 3 semester units	6 semester units	3A or 3B ² : 3 semester units	8 qtr/5.3 semester units
Art (Studio): Drawing	3,4,5	ART 182 C (with portfolio approval): 3 semester units	n/a	n/a	3 semester units	n/a	8 qtr/5.3 semester units
Art (Studio): 2D,3D	3,4,5	3 semester units - elective	n/a	n/a	3 semester units	n/a	8 qtr/5.3 semester units
Biology	3,4,5	BIOL 101 C: 5 semester units	B1: 4 semester units	B2 and B3: 4 semester units	6 semester units	5B and 5C ³ : 4 semester units	8 qtr/5.3 semester units
Calculus AB	3,4,5	MATH 150AC: 4 semester units	B2: 4 semester units	B4 ⁴ : 3 semester units	3 semester units	2A: 3 semester units	4 qtr/2.6 semester units
Calculus BC	3,4,5	MATH 150AC and MATH 150BC: 8 semester units	B2: 4 semester units	B4 ⁴ : 3 semester units	6 semester units	2A: 3 semester units	8 qtr/5.3 semester units*
Calculus BC/AB Subscore	3,4,5	MATH 150AC: 4 semester units	B2: 3 semester units minimum	B4 ⁴ : 3 semester units	3 semester units	2A: 3 semester units	4 qtr/2.6 semester units
AP Calculus Exam Limitations	n/a	n/a	Qualifies student for next level math	n/a	Qualifies student for next level math	Qualifies student for next level math	Maximum credit for both exams is 8 qtr/5.3 semester units; 4 quarter/2.6 semester units for both AB and AB Subscore
Chemistry	3,4,5	CHEM 101 C OR CHEM 107 C (score of 3): 5 semester units - CHEM 111AC (score of 4 or 5): 5 semester units	B1: 5 semester units	B1 and B3: 4 semester units (6 GE units if taken prior to F'09)	6 semester units	5A and 5C ³ : 4 semester units	8 qtr/5.3 semester units
Chinese Language and Culture	3,4,5	CHIN 101 C and CHIN 102 C: 10 semester units	C2: 3 semester units	C2: 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
Computer Science A	3,4,5	CIS 211 C and CIS 226 C: 6 semester units	n/a	n/a	3 semester units	n/a	2 qtr/1.3 semester units
Computer Science AB	3,4,5	CIS 211 C and CIS 226 C: 6 semester units	n/a	n/a	6 semester units	n/a	4 qtr; 2.6 semester units
Computer Science Principles	3,4,5	CIS 211 C and CIS 226 C: 6 semester units	n/a	B4: 3 semester units	6 semester units	n/a	8 qtr/5.3 semester units

AP Computer Science Exam Limitations	n/a	Maximum credit for both exams is 6 semester units	Maximum credit for both exams is 6 semester units	n/a	Maximum one exam may be used toward transfer	n/a	Maximum credit is 4 qtr/2.6 semester units for both Computer Science A and Computer Science AB Exams
Economics (Macro)	3,4,5	ECON 100 C: 3 semester units	D: 3 semester units	D: 3 semester units	3 semester units	4: 3 semester units	4 qtr/2.6 semester units
Economics (Micro)	3,4,5	ECON 105 C: 3 semester units	D: 3 semester units	D: 3 semester units	3 semester units	4: 3 semester units	4 qtr/2.6 semester units
English Language and Composition	3,4,5	ENGL C1000: 4 semester units	A1: 3 semester units	A2: 3 semester units	6 semester units	1A: 3 semester units	8 qtr/5.3 semester units
English Literature and Composition	3,4,5	ENGL C1000 or ENGL 102 C: 3-4 semester units	A1 or C2: 3 semester units	A2 and C2: 6 semester units	6 semester units	1A or 3B ² : 3 semester units	8 qtr/5.3 semester units
AP English Exam Limitation	n/a	n/a	n/a	n/a	n/a	n/a	Maximum credit for both exams is 8 qtr/5.3 semester units
Environmental Science	3,4,5	No subject credit applies	B1: 4 semester units	B2 and B3 *(CSU removed B2 F'09) OR B1 and B3: 4 semester units	4 semester units	5A and 5C ³ : 3 semester units	4 qtr/2.6 semester units
French Language	3,4,5	FREN 101 C and FREN 102 C: 10 semester units	C2: 5 semester units	C2: *(CSU removed area F'11) 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
French Language and Culture	3,4,5	FREN 101 C and FREN 102 C: 10 semester units	C2: 5 semester units	C2: 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
French Literature	3,4,5	No subject credit applies	C2: 5 semester units	C2: (CB discontinued exam S'09): 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
German Language	3,4,5	GERM 101 C and GERM 102 C (Cypress no longer offers courses): 10 semester units	C2: 5 semester units	C2: *(CSU removed area F'11): 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
German Language and Culture	3,4,5	GERM 101 C and GERM 102 C (Cypress no longer offers courses): 10 semester units	C2: 5 semester units	C2: 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
Government and Politics: Comparative	3,4,5	POSC 215 C: 3 semester units	D: 3 semester units	D: 3 semester units	3 semester units	4: 3 semester units	4 qtr/2.6 semester units
Government and Politics: U.S.	3,4,5	POSC 100 C: 3 semester units	D: 3 semester units	D and US-2: 3 semester units	3 semester units	4: 3 semester units	4 qtr/2.6 semester units
History - European	3,4,5	HIST 110 C and HIST 111 C: 6 semester units	D or C2: 3 semester units	C2 or D: 3 semester units	6 semester units	3B or 4 ² : 3 semester units	8 qtr/5.3 semester units

History - U.S.	3,4,5	HIST 170 C and HIST 171 C: 6 semester units	D or C2: 3 semester units	C2 or D and US-1: 3 semester units	6 semester units	3B or 4 ² : 3 semester units	8 qtr/5.3 semester units
History - World Modern	3,4,5	HIST 112 C and HIST 113 C: 6 semester units	D or C2: 3 semester units	C2 or D: 3 semester units	3 semester units	3B or 4 ² : 3 semester units	8 qtr/5.3 semester units
Human Geography	3,4,5	GEOG 160 C: 3 semester units	D: 3 semester units	D: 3 semester units	3 semester units	4: 3 semester units	4 qtr/2.6 semester units
Italian Language and Culture	3,4,5	No subject credit applies	C2: 3 semester units	C2: 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
Japanese Language and Culture	3,4,5	JAPN 101 C and JAPN 102 C: 10 semester units	C2: 3 semester units	C2: 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
Latin	3,4,5	No subject credit applies	C2: 3 semester units	C2: 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
Latin Literature	3,4,5	No subject credit applies	C2: 3 semester units	C2 (CB discontinued exam S'09): 3 semester units	6 semester units	3B and 6A: 3 semester units	4 qtr/2.6 semester units
Latin: Vergil	3,4,5	No subject credit applies	C2: 3 semester units	C2: *(CSU removed area F'12): 3 semester units	3 semester units	3B and 6A: 3 semester units	4 qtr/2.6 semester units
Music Theory	3,4,5	MUS 103 C, 104 C, MUS 105 C, MUS 106 C: 8 semester units	C1: 3 semester units	C1: *(CSU removed area F'09): 3 semester units	6 semester units	n/a	8 qtr/5.3 semester units
Physics B	3,4,5	PHYS 130 C: 4 semester units	B1: 4 semester units	B1 and 3 ⁵ : *(CSU removed area F'13): 4 semester units	6 semester units	5A and 5C ³ : 4 semester units	8 qtr/5.3 semester units
Physics 1 or 2	3,4,5	PHYS 130 C: 4 semester units	B1: 4 semester units	B1 and B3 ⁵ : 4 semester units	4 semester units	5A and 5C ³ : 4 semester units	8 qtr/5.3 semester units
Physics C Mechanics	3,4,5	PHYS 130 C: 4 semester units	B1: 4 semester units	B1 and B3 ⁵ : 4 semester units	4 semester units	5A and 5C ³ : 3 semester units	4 qtr/2.6 semester units
Physics C Electricity and Magnetism	3,4,5	PHYS 130 C: 4 semester units	B1: 4 semester units	B1 and B3 ⁵ : 4 semester units	4 semester units	5A and 5C ³ : 3 semester units	4 qtr/2.6 semester units
Pre-Calculus	3,4,5	MATH 141 C, MATH 142 C (8 semester units)	B2 (3 semester units)	B4 (3 semester units)	3 semester units	N/A	N/A
AP Physics Exam Limitations	n/a	n/a	n/a	n/a	Maximum 4 semester units toward GE and 6 semester units toward transfer	n/a	Maximum credit for both exams is 8 qtr/5.3 semester units
Psychology	3,4,5	PSY 101 C: 3 semester units	D: 3 semester units	D: 3 semester units	3 semester units	4: 3 semester units	4 qtr/2.6 semester units
Spanish Language	3,4,5	SPAN 101 C and SPAN 102 C: 10 semester units	C2: 5 semester units	C2: *(CSU removed area S'14): 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
Spanish Language and Culture	3,4,5	SPAN 101 C and SPAN 102 C: 10 semester units	C2: 5 semester units	C2: 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units

Spanish Literature	3,4,5	No subject credit applies	C2: 5 semester units	C2 *(CSU removed area S'13) 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
Spanish Literature and Culture	3,4,5	No subject credit applies	C2: 5 semester units	C2: 3 semester units	6 semester units	3B and 6A: 3 semester units	8 qtr/5.3 semester units
Statistics	3,4,5	MATH 120 C: 4 semester units	B2: 4 semester units	B4: 3 semester units	3 semester units	2A: 3 semester units	4 qtr/2.6 semester units

Students must have the College Board send AP exam results to the Admissions Office (hand carried copies will not be accepted). Students may earn credit for Advanced Placement (AP) Tests with scores of 3, 4, or 5. AP credit can be used to meet IGETC, CSU GE and A.A. general education (GE) and/or Cypress College major requirements as indicated in the chart above. Course credit and units granted at Cypress College may differ from course credit and units granted by a transfer institution towards a student's major/graduation requirements. Information about how External Exam Credit (AP, IB, and CLEP) can be used at individual transfer institutions can be found at individual university websites found here: [CCC Transfer Counselor Website](#)

The following resources were used in updating the chart above:

The Cal-State University - Advanced Placement (AP)

The University of California - Counselors Quick Reference

Cypress College (CC) Majors: Students should be aware that AP test credit is evaluated by corresponding it to an equivalent CC course.

- **Example:** Econ 100C for Macro AP Exam. A student who receives AP credit and then takes the equivalent CC course will have the unit credit for such duplication deducted prior to being awarded the AA degree.

AA GE: The AP exams will be applied in the respective GE area as noted. GE AP credit may be different than AP credit applied toward a Cypress College associate degree or certificate program major.

CSU GE: The AP exams may be incorporated into the certification of CSU General Education-Breadth requirements by any certifying institution. All CSU campuses will accept the minimum units shown and apply them toward fulfillment of the designated General Education-Breadth requirements.

IGETC: AP exams must be used in the area indicated regardless of where the certifying institution's discipline is located. Credit by AP exam is noted and listed first on a student's transcript, with units and credit (CR) assigned.

- **Example:** AP History: World History 3.00 CR.

1. There is no equivalent AP exam for the Area 1B, Critical Thinking/Composition requirement.
2. AP exams may be used in either area regardless of where the certifying CCC's discipline is located.
3. AP exams in Biology, Chemistry, or Physics B earn 4 semester or 5 quarter units towards toward IGETC certification. For Environmental Science, Physics C: Mechanics and Physics C: Electricity/Magnetism, 3 semester or 4 quarter units are applied fo IGETC certification.
4. If a student passes more than one AP exam in calculus or computer science, only one examination may be applied toward the CSU baccalaureate degree.
5. If a student passes more than one AP exam in physics, only 6 units of credit may be applied to the baccalaureate, and only 4 units of credit may be applied to a certification in GE Breadth.
6. *Refer to the CSU AP List if exam was taken before the removal date.

CLEP Examination	CLEP Approved Scores	CCC GE Approved Credit (3 units)	CSU GE Breadth Approved Credit (includes American Institutions)	CSU Units Earned Towards Transfer	IGETC Approved Credit (includes American Institutions)(No UC Units Earned)
American Government	50 or above	D	D	3 semester units	n/a
American Literature	50 or above	C2	C2	3 semester units	n/a
Analyzing and Interpreting Literature	50 or above	C2	C2	3 semester units	n/a
Biology	50 or above	B1	B2	3 semester units	n/a
Calculus	50 or above	B2	B4	3 semester units	n/a
Chemistry	50 or above	B1s	B1	3 semester units	n/a
College Algebra	50 or above	B2	B4	3 semester units	n/a
College Algebra - Trigonometry	50 or above	B2	B4	3 semester units	n/a
College Composition	50 or above	A1	n/a	n/a	n/a
English Literature	50 or above	C2	C2 (prior to F'11 only)	3 semester units	n/a

French Level II	59 or above	C2	C2	3 semester units	n/a
Freshmen College Composition	n/a	A1	n/a	n/a	n/a
German Level II	60 or above	C2	C2	3 semester units	n/a
History, United States I	50 or above	D	D and US-1	3 semester units	n/a
History, United States II	50 or above	D	D and US-1	3 semester units	n/a
Human Growth and Development	50 or above	D	E	3 semester units	n/a
Humanities	50 or above	n/a	C2	3 semester units	n/a
Introductory Psychology	50 or above	D	D	3 semester units	n/a
Introductory Sociology	50 or above	D	D	3 semester units	n/a
Natural Sciences	50 or above	B1	B1 or B2	3 semester units	n/a
Pre-Calculus	50 or above	B2	B4	3 semester units	n/a
Principles of Macroeconomics	50 or above	D	D	3 semester units	n/a
Principles of Microeconomics	50 or above	D	D	3 semester units	n/a
Spanish Level II	63 or above	C2	C2	3 semester units	n/a
Spanish Level with Writing Level I	50 and above	n/a	n/a	6 semester units	n/a
Spanish Level with Writing Level II	63 and above	C2	C2	9 semester units	n/a
Trigonometry	50 or above	B2	B4 (prior to F'06 only)	3 semester units	n/a
Western Civilization I	50 or above	C2 or D	C2 or D	3 semester units	n/a
Western Civilization II	50 or above	C2 or D	D	3 semester units	n/a

Course credit and units granted at Cypress College may differ from course credit and units granted by a transfer institution towards a student's major/graduation requirements. Information about how External Exam Credit (AP, IB, CLEP) can be used at individual transfer institutions can be found at individual university websites found here: <https://ccctransfer.org/>

The following resource was used in updating the chart above: The Cal-State University - College Level Examination Program (CLEP)

IB Examination	IB Exam Approved Scores	CCC GE Approved Credit (3 units)	CSU GE Breadth Approved Credit (includes American Institutions)	CSU Units Earned Towards Transfer	IGETC Approved Credit (includes American Institutions)	UC Units Earned Towards Transfer
Biology HL	5,6,7	B1 3 units	B2	3 semester units	5B (without lab)	8 qtr/5.3 sem units
Chemistry HL	5,6,7	B1: 3 units	B1	3 semester units	5A (without lab)	8 qtr/5.3 sem units
Economics HL	5,6,7	D: 3 units	D	3 semester units	4	8qtr/5.3 sem units
Geography HL	5,6,7	D: 3 units	D	3 semester units	4	8 qtr/5.3 sem units
History (any region) HL	5,6,7	D: 3 units	C2 or D	3 semester units	3B or 4	8 qtr/5.3 sem units
Language A Literature HL	5,6,7	C2: 3 units	C2*	3 semester units	3B and 6A	8 qtr/5.3 sem units
Language A Language and Literature HL	5,6,7	C2: 3 units	C2*	3 semester units	3B and 6A	8 qtr/5.3 sem units
Language A1 (any language) HL**	5.6.7	C2: 3 units	C2 (prior to F'13 only)*	3 semester units	3B	8 qtr/5.3 sem units
Language A2 (any language) HL**	5,6,7	C2: 3 units	C2 (prior to F'13 only)*	3 semester units	3B	8 qtr/5.3 sem units
Language B (any language) HL**	5,6,7	C2: 3 units	n/a	n/a	6A	8 qtr/5.3 sem units
Mathematics HL	5,6,7	B2: 3 units	B4*	3 semester units	2A	8 qtr/5.3 sem units
Physics HL	5.6.7	B1: 3 units	B1	3 semester units	5A (without lab)	8 qtr/5.3 sem units

Psychology HL	5,6,7	D: 3 units	D	3 semester units	4	8 qtr/5.3 sem units
Theatre HL	5,6,7	C1: 3 units	C1*	3 semester units	3A	8 qtr/5.3 sem units

* A score of 4 earns credit for these CSU GE areas.

**The IB Curriculum offers language at various levels for the native and non-native speakers. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively and therefore, satisfy Humanities GE areas, not English Composition. Language B courses are offered at the intermediate level for non- natives. Policies may differ for CSU and UC systems as noted.

UC - Units Earned Toward Transfer (last column from above chart)

The University of California awards 8 qtr/5.3 sem units of credit for each of the International Baccalaureate Individual Certificate subject HL with a score of 5, 6, or 7. Additional HL IB exams may earn UC unit credit beyond those included in this list for IGETC credit. Please reference the UC counselors website for a complete list of IB exam unit credit for admission purposes: The University of California

Course credit and units granted at Cypress College may differ from course credit and units granted by a transfer institution towards a student's major/graduation requirements. Information about how External Exam Credit (AP, IB, CLEP) can be used at individual transfer institutions can be found at individual university websites found here: <https://ccctransfer.org/>

The following resources were used in updating the chart above:

1. The Cal-State University - International Baccalaureate (IB)
2. The Intersegmental Committee of the Academic Senates (ICAS)

Guidance for Assigning Academic Credit for the Defense Language Proficiency Test (DLPT) Pass Scores

Utilizing the American Council on Education (ACE) recommendations as described below, three lower division semester hours for language shall equate to three semester units (or their quarter equivalent) in CSU GE Breadth Subarea C2. When assigning academic credit using the DLPT, campus articulation officers and credit transfer evaluators should refer to the ACE National Guide to College Credit for Workforce Training. This ACE online guide organizes foreign language test scores and credit recommendations by language, version of test and modality of language. The Guide then provides lower and upper division credit recommendations based on the DLPT test score in the following modalities: listening, reading, and oral. Campuses may continue to award additional GE and/or major course credit as they have done in the past.

The following documents may be accepted to award DLPT GE or course credit:

- Official Defense Language Institute Foreign Language (DLIFLC) Transcripts
- Official Joint Services Transcripts (JST)
- Defense Manpower Data Center (DMDC) DLPT Examinee Results
- DA Form 330 Language Proficiency Questionnaire

For more information, please see CSU ASA 2018-06 for more information: The Cal-State University

International Baccalaureate (IB) Scores Applied to General Education

A student earning a score of 5 or higher on an IB exam meets the following general education (GE) areas. The Cypress College transcript will show the IB exam credit applicable to the Native AA/AS GE as detailed below. Admissions and Records evaluators will adjust IB exam credit as applicable when a student applies for CSU GE Breadth or IGETC certification.

This IB policy information for IGETC is also available at: <http://admission.universityofcalifornia.edu/counselors/files/ap-satisfy-admission-and-igetc-req.pdf>.

This IB policy information for CSU GE Breadth is also available at: <http://www.calstate.edu/AcadAff/codedMemos/AA-2015-02.pdf>.

Note: *Students **should not repeat classes** for which they have earned IB credit unless a specific university requires it for their major. IB transfer credit awarded for admission and transfer major requirements is determined by the CSU and UC.

IB Exam	IGETC ¹ Approved Credit (Includes American Institutions)	CSU GE Breadth Approved Credit (Includes American Institutions)	CCC GE Approved Credit
Biology HL	5B (without lab)	B2	B1
Chemistry HL	5A (without lab)	B1	B1
Economics HL	4B	D2	D
Geography HL	4E	D5	D
History (any region) HL	3B or 4F	C2 or D6	D
Language A Literature HL	3B and 6A	C2*	C2
Language A Language and Literature HL	3B and 6A	C2*	C2
Language A1 (any language) HL	3B	C2* (prior to F'13 only)	C2
Language A2 (any language) HL	3B	C2* (prior to F'13 only)	C2
Language B (any language) HL	6A	n/a	C2
Mathematics HL	2A	B4*	B2
Mathematics: Analysis and Approaches HL	2A	B4	B2
Mathematics: Applications and Interpretations HL	2A	B4	B2
Physics HL	5A (without lab)	B1	B1
Psychology HL	4I	D9	D
Theatre HL	3A	C1*	C1

* *A score of 4 earns credit for these CSUGE areas. All other scores must be a 5.

The IB Curriculum offers language at various levels for the 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.

Grade Change

Any change in a grade given by an instructor shall be subject to California Education Code Section 76224 (a): *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.*

Students requesting an appeal related to a grade received from an instructor should follow procedures detailed under *Petitions and Appeals* in this Catalog. *Students have a two-year limit to request a grade change. To ensure that a request for a grade change is timely, students are encouraged to initiate their request for a grade change as soon as possible, and when possible, no later than the next regular semester following the award of the original grade. This policy supersedes all previous grade change provisions at Cypress College.* Students should be aware that no grade change will be made after two years from the date of the assignment of the grade. When a grade given in error has been corrected, the incorrect grade is expunged from the student's permanent record.

CIRCUMSTANCE FOR CHALLENGING A GRADE

A student has a right to challenge a final grade in a course only to the extent allowable under Education Code Section 76224(a). To do so, a student must demonstrate that the instructor issued the grade under one of the following conditions:

- **Mistake: An unintentional act, omission, or error by the instructor or the college.**
- **Fraud: A deception deliberately practiced in order to secure unfair or unlawful gain.**
- **Bad Faith: An intent to deceive or to act in a manner contrary to law and/or a grade assigned because of a student's protected characteristics contrary to Education Code and Title 5, California Code of Regulations. If, pursuant to the discrimination and harassment complaint procedure, it is determined that a grade was the result of discrimination or harassment, the grade may be changed as a remedy for the discrimination or harassment.**
- **Incompetence: A lack of ability, legal qualification, or fitness to discharge a required duty on the part of the instructor.**

Section I - Informal Resolution: The first step in challenging a grade occurs between the student and the faculty member. Any student who believes that they have been wrongfully assigned a grade shall make a reasonable effort to resolve the matter directly with the faculty member who assigned the grade. The student shall initiate communication with the faculty member to attempt to resolve the matter no later than 10 instructional days into the semester following the semester for which the grade was assigned, not including summer session or intersessions. This process shall begin and proceed when the faculty member is on contract.

Section II - Formal Resolution: If the student is unable to resolve the matter to their satisfaction with the faculty member, the student has the right to proceed with a formal grade challenge.

MEETING WITH INSTRUCTIONAL DEAN

1. The first step of the formal grade challenge is a meeting with the instructional dean that oversees the department from which the grade was issued. If the student has communicated with the faculty in a timely manner as noted in the informal resolution procedures,

the dean will meet with the student regarding the grade challenge. The initial student meeting with the dean shall occur within 15 instructional days following the student's initial attempt to informally resolve the matter with the faculty member. The dean will listen to the student complaint and explain the formal grade challenge process to the student, including expectations for adequate documentation. At the conclusion of the meeting between the student and the dean, the dean will instruct the student to complete the ***Student Petition for Final Grade Challenge*** available on the Admission & Records webpage or as provided by the dean. The dean will also inform the student this process shall only proceed when the faculty member is on contract and does not include the summer session or intersessions.

2. The student and the dean will schedule a follow-up meeting for no less than 5 instructional days and no more than 15 instructional days. During the intervening time, the student will have the opportunity to assemble any documentation and evidence. The dean will contact the faculty member to assemble the syllabus and any other related documentation.
3. At the second meeting, the dean will review all provided documentation submitted by the student. Within 15 instructional days of the second meeting, the dean will issue a finding. The finding and decision of the dean will be in writing and cite the assembled documentation as needed.
4. If the student chooses to appeal the dean's grade challenge decision, the dean will then complete the section of the form that includes their finding before assembling a review panel.

Section III - Grade Review Panel – Final Appeal: The last step in a formal Final Grade Challenge involves:

1. The Vice President of Instruction or their designee will assemble a grade review panel with the following composition: the appropriate dean or designee, a representative appointed by the Associated Student Government, and a faculty member, not a party to the challenge process, appointed by the Academic Senate.
2. When faculty are on-contract, the panel will meet within 15 workdays following the receipt of the request for a grade challenge submission to select a chair and determine if, based on the documentation assembled from Section II(b) there are sufficient grounds for a hearing. When faculty is off-contract, this meeting will occur within 15 workdays after the faculty are back on contract.
3. Determination of whether or not a grade challenge submission presents sufficient evidence to warrant a hearing shall be based on whether:
 - a. The student submission contains claims which, if true, would constitute a grievance of the grade under these procedures and;
 - b. The submission was submitted by an individual who is a student or was a student at Cypress College for the term in which the grade was assigned the grade challenge form was submitted in a timely manner;
 - c. The submission is not, based on the allegations in the formal submission, frivolous, without foundation, or filed for the purposes of harassment.
4. If the review panel determines that the submission does not warrant a review panel hearing, the chair will notify the student in writing

within 5 workdays of the panel meeting and will include the reason for the rejection of a hearing.

5. If the panel determines that a hearing is warranted, the chair will schedule a hearing within 30 workdays of the panel decision or as soon as is reasonable if faculty are off-contract. The review panel will hear from the student if they choose and from the faculty member if they choose and will consider the submitted documentation.
6. It is the student's responsibility to produce a preponderance of the evidence that supports their claim.
7. The review panel will issue their ruling on the appeal within 10 workdays of the meeting.
8. The decision of the review panel will be in writing and will include the reason for the decision. The review panel's decision will be final and not subject to further appeal.

Grading System

Grades and Grade Point Average

Grades are based upon the quality of work completed. The grade point average (GPA) is computed by dividing all GPA hours/units into quality points received. The meaning of each symbol and its value in quality points is as follows:

GRADES

- **A** – Superior or Excellent (4 grade points): Honor grade indicating excellence earned as a result of consistently superior examination scores, consistently accurate and prompt completion of assignments, ability to deal resourcefully with abstract ideas, superior mastery of pertinent skills, and promise of success in field relating to the subject.
- **B** – Better than Average – Good (3 grade points): Honor grade indicating competence earned as a result of high examination scores, accurate and prompt completion of assignments, ability to deal well with abstract ideas, commendable mastery of pertinent skills, and promise of continued success in sequential courses.
- **C** – Average – Satisfactory (2 grade points): Standard college grade indicating successful performance earned as a result of satisfactory examination scores, generally accurate and prompt completion of assignments, ability to deal with abstract ideas, average mastery of pertinent skills, and sufficient evidence of ability to warrant entering sequential courses.
- **D** – Passing, Less than Satisfactory – (1 grade point): Substandard grade indicating the meeting of minimum requirements only earned as a result of low examination scores, generally inaccurate, incomplete or late assignments, inadequate grasp of abstract ideas, barely acceptable mastery of pertinent skills, or insufficient evidence of ability to make enrollment in sequential courses advisable.

F – Failing – (no grade points): Non-passing grade indicating failure to meet minimum requirements earned as a result of non-passing examination scores, inaccurate, incomplete, or late assignments, failure to cope with abstract ideas, inadequate mastery of pertinent skills, or repeated absence from class.

- **I** – Incomplete – (no grade points, no units attempted, non-evaluative): Incomplete academic work for unforeseeable, emergency, and justifiable reasons at the end of the term may result in an "I" symbol being entered in the student's record. The condition for removal of the "I" shall be stated by the instructor in a written record. This record shall contain the conditions for removal of the "I" and the grade that will be assigned if the conditions for removing the Incomplete are not met:
 - INB – Incomplete Grade with a B default grade
 - INC – Incomplete Grade with a C default grade
 - IND – Incomplete Grade with a D default grade
 - INF – Incomplete Grade with an F default grade
 - INNP – Incomplete Grade with an NP default grade

This record must be given to the student with a copy on file with the Registrar until the "I" is made up or the time limit has passed. A final grade shall be assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed. The "I" may be made up no later than one year following the end of the term in which it was assigned. Under unusual circumstances, a student may petition for a time extension. An incomplete grade must be changed to a letter grade before it can be repeated.

PASS/IN PROGRESS/NO PASS

- **P** – Pass – (no grade points, no units attempted, but counts for units completed): Pass means that credit has been earned for the course although there are no grade points and the grade is not used in computing the grade point average and will reflect performance equivalent to a C or better under the letter grade system.
- **IP** – In progress – (no grade points, no units attempted, non-evaluative): If a student making satisfactory progress in an open entry course has not finished a course at the end of a semester, the student shall be given an "IP" which indicates the student is in progress of completing the course. The student must re-enroll in the course if the student wishes to continue working in that course. Failure to do so will result in an assignment of a grade by the instructor in place of the "IP." "IP" shall not be used in calculating grade point averages.
- **NP** – No Pass – (no grade points, no units, no units completed): No Pass means that neither units nor grade points have been earned. Units for which NP is given are not to be used in calculating grade point averages.
- **REPORT DELAYED**
- **RD** – Report Delayed – (no grade points, no units completed): The "RD" symbol may be assigned by the Registrar only. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible and shall not be used in calculating a grade point average.

WITHDRAWALS

- **MW** – Military Withdrawal – (no grade points, no units attempted, no units completed): An "MW" means the student is a member of an active or reserve United States military service and was forced to withdraw because of military orders. Students shall be permitted to withdraw upon verification of such orders. Students must submit a copy of their orders to the Admissions and Records Office. Military withdrawal shall not be counted in progress probation or dismissal calculations.

- **W** – Withdrawal – (no grade points, no units attempted, no units completed): A "W" grade indicates that the student has withdrawn from college or dropped from a class section prior to the specified drop date. The grade indicates the course has been canceled from the student's program of study without credit and is not included in the grade point average calculation. (See Withdrawal Policy)
- **EW** – Excused Withdrawal – (no grade points, no units attempted, no units completed): An "EW" indicates a student has been granted an excused withdrawal from the course(s) associated with this notation. Effective Spring 2019, students may petition for an "EW" in the event of extenuating circumstances that happen after the last date to withdraw from a course as published in the Academic Calendar. For more information, see *Withdrawal Policy*.

The Pass/No Pass (P/NP) grading option is designed to encourage students to explore courses in areas where they feel they have an interest but no special competence. Some of these courses may be taken for a letter grade. P/NP is not the same as auditing and students who plan to transfer to a four-year institution should not choose the Pass/No Pass grading option. Many transfer institutions will not accept Pass/No Pass graded courses to be applied toward major, minor, and general education requirements. Check the catalog of the transfer institution and/or see a counselor for further information.

Students may select the Pass/No Pass option via myGateway instead of a letter grade through the last day of a term (see below for instructions). Students who are planning to transfer to the University of California and the California or the California State University systems should be aware that they require courses taken to satisfy a major to be completed with a letter grade and many transfer institutions restrict the number of transfer units that may be taken as Pass/No Pass.

The following policies govern Pass/No Pass grading at Cypress College:

P – Pass will reflect performance equivalent to a "C" or better under the letter grade system. Pass (P) grades will award units completed but will not be computed into the grade point average.

NP – No Pass will reflect performance not equivalent to a "C" or better under the letter grade system. No Pass (NP) grades will not be counted into the grade point average but will be entered into calculations for progress probation and progress dismissal.

1. Students who choose the of Pass/No Pass grade option may enroll in up to six units each semester, however, a maximum of twelve units of Pass/No Pass courses (excluding COUN 140 C and work experience) will be allowed at Cypress College.
2. All units earned as Pass/No Pass shall be disregarded in determining a student's grade point average at Cypress College.
3. The units earned on a Pass/No Pass basis shall be counted toward the AA or AS 60-unit requirement.
4. If a course is transferable with a letter grade, it may be also transferable with a credit grade subject to the limitations imposed by the transfer institution. See the catalog of the transfer institution and/or a counselor for further information.
5. The option for Pass/No Pass is irreversible once the selection is made via myGateway.

Students are strongly encouraged to meet with a counselor **before** deciding to take a course with the P/NP grading option. Not all courses that are graded P/NP are transferrable.

Students may choose the P/NP grading option for courses that are already approved for this grading method. To choose P/NP, please take the following steps:

1. Log in to myGateway using your student ID and password.
2. In the Registration Tools box, click "Update Pass/No Pass and change variable units."

The above procedure is available directly to students through the last day of the semester for 16-week classes, and until the date of the last class meeting for late start classes. After these deadline but before a grade has been received, students may submit a Petition for Exception to request that a course be taken with the Pass/No Pass Grading option.

Probation and Dismissal Policies

In accordance with state regulations, the following probation and dismissal policies have been established. The primary purpose is to ensure that a student is making satisfactory progress toward an educational objective and to alert the student and the student's counselor to the possible need for additional counseling and/or special services.

Placement on Scholastic Probation

Academic Probation – A student who has attempted at least 12-semester units at the college shall be placed on *academic probation* if the student has earned a cumulative grade point average below 2.0 in all units taken at the college.

Progress Probation – A student who has enrolled in a total of at least 12-semester units at the college shall be placed on *progress probation* when the student receives an Incomplete grade (e.g., "INB", "INC", "IND", "INF", and "INNP") or "W", "NC" or "NP" in 50% or more of all units for which the student has enrolled at the college.

The college will make a reasonable effort to notify students who are placed on scholastic probation at the end of each term. Students who are on probation shall be automatically considered conditional registrants, and their programs are subject to adjustment and/or restrictions

Removal From Scholastic Probation

Academic Probation – A student shall be removed from academic probation when the student's cumulative grade point average in all units completed at the college is 2.0 or higher.

Progress Probation – A student shall be removed from progress probation when the percentage of "W", "NC", "NP", or Incomplete grades (e.g., "INB", "INC", "IND", "INF", and "INNP" units drops below 50% of all units for which the student has enrolled at the college.

Standards for Scholastic Dismissal

Academic Dismissal – A student who has been placed on academic probation shall be subject to dismissal if the student has earned a cumulative grade point average of less than 2.0 in all units attempted in each of three consecutive semesters, excluding summer session.

Progress Dismissal – A student who has been placed on progress probation for three consecutive semesters shall be subject to dismissal if the cumulative percentage of units for which entries of “W,” “NC,” “NP,” or Incomplete grades (e.g., “INB,” “INC,” “IND,” “INF,” and “INNP” reaches or exceeds 50% for three consecutive semesters.

Summer sessions shall be excluded from the consecutive semester criteria.

The college will make a reasonable effort to notify a student who has been scholastically dismissed not later than the beginning of the Fall semester each year. Scholastic dismissal will be noted on the student's academic transcript.

Readmission After Scholastic Dismissal

A dismissed student may be considered for readmission after filing a Dismissal Petition in the Admissions and Records Office. After the petition is reviewed, the student will be notified by email about the decision.

If readmitted:

- Students are strongly encouraged to meet with a Counselor to develop an education plan to return to good standing
- Students are considered conditional registrants whose programs are subject to adjustment and/or restrictions.
- Students readmitted after academic dismissal will remain on academic probation until they achieve a cumulative grade point average of 2.0 or higher.
- Students readmitted after progress dismissal will remain on progress probation until the cumulative percentage of W, “NC,” “NP,” or Incomplete grades (e.g., “INB,” “INC,” “IND,” “INF,” and “INNP” grades are less than 50% of all units attempted.
- Failure to maintain the required academic and/or probation criteria to remain enrolled may result in a subsequent dismissal

Student Conduct & Academic Honesty

Students are expected to abide by ethical standards in preparing and presenting material which demonstrates their level of knowledge and which is used to determine grades. Such standards are founded on basic concepts of integrity and honesty. These include, but are not limited to the following areas:

1. **Students shall not plagiarize, which is defined as stealing or passing off as one's own ideas or words of another and as using a creative production without crediting the source. The following cases are examples of what constitutes plagiarism:**
 - paraphrasing published material without acknowledging the source.
 - making significant use of an idea or a particular arrangement of ideas, e.g., outlines.
 - writing a paper after consulting with persons who provide suitable ideas and incorporating these ideas into the paper without acknowledging the debt.
 - submitting under one's own name, term papers or other reports which have been prepared by others.

2. Students shall not cheat, which is defined as using notes, aids, or the help of other students on tests or exams in ways other than those expressly permitted by the instructor; and as misreporting or altering the data in laboratory or research projects involving the collection of data.
3. Students shall not submit an original paper or project to more than one class without approval from the second instructor. Instructors who do not accept previously submitted papers should so inform the students in the course syllabus.
4. Students shall not furnish materials or information in order to enable another student to plagiarize or cheat.

Plagiarism Prevention and Detection: In its commitment to academic honesty, Cypress College uses Turnitin.com software to prevent and detect plagiarism.

The instructor reserves the right to submit student assignments to Turnitin.com to check for textural similarities between those assignments, Internet sources and the Turnitin.com assignment database. Students will be required to electronically submit their written work for plagiarism checking. Assignments submitted to Turnitin.com will become part of their database and will be used only for plagiarism prevention and detection.

Students agree that by enrolling in a course, assignments may be subject to the above plagiarism prevention and detection processes.

An instructor who has evidence that an act of academic dishonesty has occurred, after speaking with the student, is obligated to take the following steps:

1. Assign an appropriate academic penalty such as an oral reprimand (as in cases where there is reasonable doubt that the student knew that the action violated the standards of honesty); or assign an “F” on all or part of a particular paper, project, or exam (for example, where there was proof that it was a one-time occurrence). In cases where an “F” was assigned, report the incident to all appropriate personnel. (See Step 3.)
2. In cases where the dishonesty was serious, premeditated, or part of an ongoing scheme, request an ad hoc review board made up of at least three faculty from the department or division of the instructor involved. This review board is to be appointed by the Academic Senate President or his/her delegate in consultation with the department coordinator, or if none is in place, with the members of the department. Supply to the review board the documents which are suspect and any other documents completed by the student which might help determine if academic dishonesty occurred. It would then be the responsibility of the review board to determine academic penalties as appropriate.
3. Report to the student involved, to the department coordinator, to the Division Dean, and to the Dean of Counseling and Student Development, the alleged incident of academic dishonesty, including relevant documentation, and recommendations for action that he or she deems appropriate.
4. The appropriate Division Dean shall maintain an academic dishonesty file of all cases of academic dishonesty with the appropriate documentation.
5. Students shall be informed when their names are inserted into the file and provided with copies of any appeals or disciplinary procedures in which they may become involved. The appropriate Division Dean may initiate disciplinary proceedings under Education Code, Article 3, Section 76030–76037; when two or more incidents involving the same student occur, he/she shall do so.

6. Students charged with violations resulting in disciplinary action have the right to appeal the findings to the Petitions Committee under the Rules and Procedures of Due Process.

Administrative Procedures 5500 - Standards of Student Conduct and Discipline provides the process to address violations of student conduct.

Student Information & Records

Documentation to provide residency, correct date of birth, or social security number must be submitted to the Admissions and Records Office. Students must obtain a Personal Information Change form from the Admissions and Records Office to change their name on official college records.

Proof of a legal name change, such as a marriage license, court order, or naturalization papers, is required to complete the request. It is recommended that a new student ID card be obtained from Photo ID on the first floor of the Student Center. Mailing/email addresses and phone numbers can be updated on the Personal Information channel on the student tab of myGateway.

Pursuant to the Federal Family Educational Rights and Privacy Act (FERPA) of 1974, the North Orange County Community College District has established Board Policy 5040 (BP 5040) — Student Records Privacy, which covers the release of student records. The college may make public, without prior student consent, only certain directory information. This information will consist of the student's name, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, the most recent previous public or private school attended by the student, and any other information authorized in writing by the student.

Students who wish to have this directory information further restricted may do so on the online College Application for Admission or by making the request in the Admissions and Records Office.

No other student information will be disclosed without prior student consent except to college officials and employees of the District with legitimate educational interests unless pursuant to a court order or lawfully issued subpoena, or as otherwise authorized by applicable federal and state laws.

A copy of the District policy is available on the District website, www.nocccd.edu.

In accordance with Title V (California Code of Regulations) and the provisions of the Federal Family Educational Rights and Privacy Act (FERPA) of 1974, the North Orange County Community College District has established an official policy for student review of and release of student records and students are guaranteed the right to the privacy of their records. This policy allows for the student to review his or her records after contacting the Admissions and Records Office. The policy also describes when student records will be released to a third party and allows the release of student directory information unless the student

informs the Admissions and Records Office that he/she does not want such information released.

This policy is available for student review and includes:

- the types of student records and information maintained;
- the official responsible for the maintenance of each type of record;
- the policies for reviewing and expunging records;
- the right of each student to access his or her records;
- procedures for challenging the content of student records;
- the cost of producing copies of records;
- the categories of information designated as directory information;
- the locations of any required logs or records;
- definitions of officials and employees and legitimate educational interest; and
- the right of a student to file a complaint with the United States Department of Health, Education and Welfare.

Any student wishing to review this policy in its entirety may do so by contacting the Admissions and Records Office.

Beginning with the Spring 2021 semester, students may request to have their preferred or chosen name displayed on class rosters, student ID cards, and in Canvas. Students who wish to have their preferred or chosen name included in their student records may submit a Personal Information Change form to the Admissions and Records Office.

The Family Educational Rights and Privacy Act (FERPA)

Affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the College receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, 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. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education record that the student believes is inaccurate. Students may ask the College to amend a record that they believe is inaccurate. They should write the College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to

school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit 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 student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, the College discloses education records without consent to officials of another school in which a student seeks or intends to enroll or is already enrolled so long as the disclosure is for the purposes related to the student's enrollment.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-4605

Who must comply with FERPA?

Any educational institution (school or other entity that provides educational services and is attended by students) and educational agency (entity that administers schools directly linked to it) that receives funds under any program administered by the U.S. Secretary of Education.

What does FERPA require for educational institutions to be in compliance?

Notify students annually. Schools must notify students of their rights on an annual basis. There is no specific method that schools must use to notify students; it is up to the institution. The notice must take a form that is "reasonably likely" to notify students. Recommended and most frequently used ways include:

- Student bulletin, handbook, or catalog
 - School or local newspaper
 - Student registration packet
 - Protect students' rights to inspect and review their education records.
 - Protect students' rights to request to amend their education records.
 - Protect students' rights to limit disclosure of personally identifiable information contained in education records.
 - Ensure that third parties do not re-disclose personally identifiable information (except under a few circumstances).
 - Keep records of requests for and disclosures of student education records in limited situation
-

Who has FERPA rights at the post-secondary level?

A student "in attendance" (regardless of age) and former students.

- *Student* applies to all students attending — including continuing education students, students auditing a class, distance education students, and high school students enrolled in college.
- *In attendance* applies to and is determined by the institution. If the institution has not defined when a student is "in attendance" that date becomes the day the student first attends a class at the institution.

What rights does FERPA provide for students?

- Right to inspect and review their education records.
- Right to request to amend their education records.
- Right to limit disclosure of some "personally identifiable information" (information that would directly identify the student or make the student's identity easily traceable) known as *directory information*.

What is considered Directory Information?

- Student's name
- Major field of study
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- Dates of attendance
- Degrees and awards received
- The most recent previous public or private school attended by the student
- Any other information authorized in writing by the student.

BP 5040 Student Records, Directory Information, and Privacy provides the guidelines for maintenance of student records and rights to access.

Student Rights and Responsibilities

The California Education Code provides that, "The board shall have the power to adopt such rules and regulations, not inconsistent with law, as are necessary for its own government and to enable the board to carry out all powers and responsibilities vested in it by law" (Section 71020). The Board of Trustees has prescribed the following rules relating to students. These rules shall apply to each of the colleges of the District. Each College President shall be responsible for the development of procedures required on that campus to assure that these rules are in effect on that campus.

ACADEMIC FREEDOM POLICY: A college community, consisting of faculty, students, and administrators, under the authority of the Board of Trustees, has as its primary purpose the realization of the students' growth and development through the dissemination and application of knowledge. Because it is only in the open exchange of ideas that this purpose can be achieved, students are encouraged to study any and all issues and problems. Freedom to think, read, question, and speak are necessary to the college community, but such freedoms must be exercised within the rules established under the general policies of the Board of Trustees.

STUDENT CLASSROOM RIGHTS AND RESPONSIBILITIES: Students enrolled in a course accept the instructor's authority in all matters pertaining to classroom instruction and individual academic performance.

Students have the right to:

- Know the instructor's standards for academic evaluation and classroom conduct.
- Challenge, with normal courtesy, faculty statements of opinion.
- Receive professional evaluation of their academic performance.
- Expect professional treatment of their views, beliefs, or political associations.
- Have reasonable access to members of the faculty on campus.

Students enrolled in a course accept the responsibility to:

- Seek diligently to achieve the instructional objectives of the course.
- Practice honesty and respect the rights of others.
- Meet instructional and conduct standards

*Students who violate the rights of other members of any class shall be subject to removal or suspension from that class.

CAMPUS RIGHTS AND RESPONSIBILITIES: Students have the right to:

- Participate in the formulation and application of college policy which affects them in accordance with procedures established on each campus under the general policies of the Board.
- Petition to organize interest groups pursuant to college and Board policies.
- Join student associations approved pursuant to college and Board policies.
- Invite and hear speakers as defined in the campus speakers policy.
- Students who violate the rights of chartered organizations shall be subject to the rules and regulations as published and distributed on each campus.

Campus publications boards, or their equivalent, shall have the authority and responsibility for all college publications. Their authority and responsibility shall include, but not be limited to, providing written clarification of the role of student publications and the standards to be used in their evaluation. These standards shall be within the canons of responsible journalism and the limitations on control of their operations as established by the faculty advisor.

Transcripts & Grade Reports

Grade Reports

Students can access grades using myGateway. Grades are generally available on myGateway approximately three weeks after the end of the term. It is recommended that a student ensure that all grades for the most recent term have posted to their permanent record before ordering a transcript.

Transcripts

High School Transcripts

All enrolled students are encouraged to have official transcripts sent to the Admissions and Records Office from their high school.

Other College Transcripts (OCTs)

Students who have taken courses at another college or university should have official copies of their transcripts sent to the Cypress College Admissions and Records Office. These transcripts will be used to verify completion of prerequisite courses, assist with course placement, and inform student conversations with counselors about educational planning. Official transcripts from other colleges are required as part of the evaluation for associate degrees, certificates, and meeting general education requirements for transfer.

Cypress College Transcripts

The Admissions and Records Office prepares and permanently retains a record of each student's academic work. Students' transcripts reflect all academic work attempted at Cypress College and lists courses, units, grades, grade points, cumulative grade point average, total units, and other relevant academic data chronologically.

Additional Considerations

- The average processing time for transcripts is within 3-5 business days. For faster service, students are encouraged to request transcripts online at <https://bit.ly/3fevZJg>. Acceptable forms of payment for online requests are Mastercard and Visa. Requests with incomplete information will not be processed. Additional processing time may be needed when the campus is closed. Students are entitled to the first two (2) copies of their transcripts without cost *if ordered in person*. Subsequent copies are \$5 per copy. On-demand transcripts are only available in person and can be obtained for an additional \$10. (NOTE: Fee is subject to change at any time.)
- On-Demand transcript requests made in person must include full payment to be processed. Only checks or money orders are accepted and should be made payable to Cypress College. Transcript requests for students who have non-financial holds on their accounts may be delayed until the hold is resolved.
- Cypress College provides students the ability to send transcripts electronically and by mail to other colleges and universities via Credentials, Inc. Students should visit <https://bit.ly/3fevZJg> to access the online transcript order form.
- In accordance with the Family Educational Rights and Privacy Act (FERPA) of 1974 and the provisions established in Board Policy 5040 of the North Orange County Community College District, student records may not be released to a third party without prior written authorization by the student.
- Students must submit an "Authorization to Release Education Records" form and copy of their photo ID to the Admission and Records Office before the release of a transcript to a third party. The form is available from the forms section of the Admissions and Records webpage and requires students to use their myGateway credentials to be accessed.

International Transcript Evaluations

Students who have attended colleges and universities outside of the United States and believe they have successfully completed courses applicable to the Associate Degree or Certificate requirements must have their transcripts evaluated by an approved international evaluation agency before credit can be determined. A list of approved agencies is available in the Counseling, Admissions and Records and International

Student Offices. Students who desire credit for ENGL 100 C will need to have their transcripts evaluated, achieve a satisfactory score on the English Assessment test and meet with a counselor.

Transfer of Credit

Transfer of Credit TO Cypress College

Students seeking credit for coursework taken at another institution will need to have their coursework evaluated at Cypress College to determine which credit/course can be applied to satisfy General Education and/or Major Requirements. Students must present transcripts from other educational institutions to initiate the Transfer of Credit process. For a list of approved courses, please see an Academic Counselor in your Major.

Academic Counselors: <https://www.cypresscollege.edu/services/counseling/meet-the-counselors/>

Transfer of Credit FROM Foreign Institutions

Students seeking evaluation of foreign coursework must provide a transcript evaluated by an accredited evaluation and translation service (see an Academic Counselor in your Major). Students must turn in the official evaluation to the Office of Admissions and Records for inclusion in their record and then set up an appointment with an Academic Counselor in their Major so that their transfer work may be evaluated. Coursework from foreign institutions cannot be used for Cal-GETC

**Students may refer to the International Baccalaureate (IB) chart, for Cal-GETC credit details.*

Transfer of Credit FROM Cypress College to Another Institution

To request transcripts from Cypress College, please visit the Transcripts page: <https://www.cypresscollege.edu/admissions-records/records/>

Withdrawal

It is recognized that, on occasion, students' circumstances might force them to withdraw from a class prior to its completion. It is the student's responsibility to initiate withdrawal procedures. Failure to officially withdraw from a class can result in a grade of "F" or "NP" being assigned.

Effective May 2009, many of the processes for course withdrawal related to course repetition have changed for California Community Colleges. In order to comply with the recent revisions of Title 5, students are advised to see an academic counselor prior to withdrawing from a course.

For the purpose of this policy, a "W" indicates that the student has withdrawn from a course without affecting the student's grade point average. A "W" is given, therefore, under the following conditions and in the manner prescribed below:

Semester Courses Short Term Courses Weekend Seminars Summer Intersession Courses Excused Withdrawal (EW)

1. First Two Weeks of the Semester

- a. A student or instructor may initiate a withdrawal. No notation shall be made on the student's academic record.

2. Third Week through Twelfth Week

- a. The student or instructor may initiate a withdrawal. A "W" shall be recorded on the student's academic record.

3. Remainder of Course

- a. The student may no longer withdraw from college after the twelfth week. The academic record of the student shall reflect a symbol or grade other than "W." Under extenuating circumstances, a "W" may be granted after the twelfth week if the student files a Petition for Exception that is approved by the Admissions and Records Office.

1. Until the Day Prior to the First Census

- a. The student or instructor may initiate a drop. No notation shall be made on the student's academic record. Contact the Admissions and Records Office or see the deadlines printed under the CRN in the class schedule.

2. From the First Census Through the Withdrawal Date

- a. The student or instructor may initiate a withdrawal up to the time three-fourths of the course has elapsed. A "W" shall be recorded on the student's academic record. Contact the Admissions and Records Office or see the deadlines printed under the CRN in the class schedule for specific courses.

3. Remainder of the Course

- a. A student may no longer withdraw from classes after the withdrawal date. The academic record of the student shall reflect a symbol grade other than "W." Under extenuating circumstances, a "W" may be granted after the withdrawal date if the student files a Petition for Exception that is approved by the Admissions and Records Office.

1. Until the Day Prior to the First Day of the Seminar

- a. The student or instructor may initiate a withdrawal. No notation shall be made on the student's academic record.

2. After the Seminar Begins

- a. The instructor may drop, with a "W," those students who do not attend the seminar. Those who do attend must receive a symbol

or grade other than a "W." Under extenuating circumstances, a "W" may be granted after the withdrawal date if the student files a Petition for Exception that is approved by the Admissions and Records Office.

First Week:

Students are to check with the Admissions and Records Office for appropriate withdrawal dates or see the deadlines printed under the CRN in the class schedule.

Open-Entry Courses:

As often as possible, open-entry courses shall be treated according to the regulations for semester courses. Contact the Admissions and Records Office for further information.

An Excused Withdrawal "EW" occurs when a student is permitted to withdraw from course(s) due to specific events beyond the control of the student and may include:

- a job transfer outside the geographical region
- illness of the student or of someone in the student's family where the student is the primary caregiver
- release from custody or involuntary transfer before the end of the term if the student is incarcerated in a California county jail or state prison
- the student is the subject of an immigration action, or
- other extenuating circumstances beyond the control of the student affecting his/her ability to complete a course(s).

The college will proactively engage with the student or their representative to identify available support services that may mitigate the extenuating circumstances and prevent withdrawal. If mitigation efforts are unsuccessful, the student will receive the excused withdrawal symbol ("EW") on their transcript. Students will not be denied an excused withdrawal due to a college's inability to respond to the petition or to provide sufficient assistance to mitigate the student's circumstances.

An excused withdrawal will not be counted in progress probation and dismissal calculations, or toward the permitted number of withdrawals or enrollment attempts. In no case may an excused withdrawal result in a student being assigned an "FW" grade.

An excused withdrawal will be assigned if a determination is made that the student withdrew from a course due to unlawful discrimination or retaliation.

NOTE: The "EW" symbol does count in the Federal financial aid Satisfactory Academic Progress Calculations.

Students are advised to consult with the Financial Aid office to determine whether an EW will have an impact of their awards.

Administrative Procedures 5500 - Standards of Student Conduct and Discipline

North Orange County Community College District

BOARD POLICY

Chapter 5

Student Services

BP 5500 Standards of Student Conduct and Discipline

Reference:

Education Code Section 66300 and 66301

ACCJC Accreditation Standards I.C.8 and 10

WASC/ACS Criterion 2, Indicators 2.1, 2.2, and 2.4; Criterion 8, Indicator 8.4

- 1.0 Standards of Student Conduct

For purposes of this policy, the term "District" as used herein means the North Orange County Community College District, Cypress College, Fullerton College, North Orange Continuing Education, the Anaheim Campus, and other entities operated by, or property under the control of, the North Orange County Community College District.

Students enrolling in the programs and services of the North Orange County Community College District assume an obligation to conduct themselves in a manner compatible with the function of the Colleges and North Orange Continuing Education as educational institutions. A student who violates the standards of student conduct shall be subject to disciplinary action including, but not limited to, the removal, suspension or expulsion of the student. Misconduct, which constitutes "good cause" for disciplinary action includes, but is not limited to, the following:

- 1.1 Disruptive behavior, willful disobedience, habitual profanity or vulgarity, the open and persistent defiance of the authority of, or persistent abuse of, District personnel, or violating the rights of other students.
- 1.2 Failure to identify oneself when requested to do so by District officials acting in the performance of their duties.
- 1.3 Cheating, plagiarism in connection with an academic program (including plagiarism in a student publication), or engaging in other academic dishonesty.
- 1.4 Dishonesty, forgery, alteration, or misuse of District documents, records, or identification, or knowingly furnishing false information to the District.
- 1.5 Misrepresentation of oneself or of an organization to be an agent of the District.
- 1.6 Causing, attempting to cause, or threatening to cause physical injury or physical or verbal abuse or any threat of force or violence, to the person, property, or family of any member of the college community, whether on or off District property as defined above.
- 1.7 Willful misconduct which results in injury or death to a student or to District personnel, or which results in the cutting, defacing, or other damage to any real or personal property of the District.
- 1.8 Unauthorized entry into, unauthorized use of, or misuse of property of the District.
- 1.9 Stealing or attempting to steal District property or private property on District premises, or knowingly receiving stolen District property or stolen private property on District premises.
- 1.10 Causing or attempting to cause damage to District property, or to private property on District premises.
- 1.11 Unlawful use, sale, possession, offer to sell, furnishing, or being under the influence of any controlled substance listed in the California Health and Safety Code, section 11053 et seq., an alcoholic beverage, or an intoxicant of any kind, or any poison classified as such by Schedule D in Section 4160 of the Business and Professions Code or other State law defining controlled substance while on District property, or at a District function; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in the California Health and Safety Code, section 11014.5.
- 1.12 Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the District.
- 1.13 Possession, sale, use, or otherwise furnishing of explosives, dangerous chemicals, deadly weapons or other dangerous object including, but not limited to, any facsimile firearm, knife or explosive on District property, or at a District function, without prior written authorization of the Chancellor, college president, School of Continuing Education Provost, or authorized designee.
- 1.14 Engaging in lewd, indecent, or obscene behavior on District property, or at a District function.
- 1.15 Violation of municipal, state, or federal laws in connection with attendance in programs or services offered by the District, or while on District property or at District-sponsored activities.
- 1.16 Soliciting or assisting another to do any act (including the purchasing, transporting or consumption of any controlled substance), while under the supervision of a District official, which would subject a student to expulsion, suspension, probation, or other discipline pursuant to this policy.
- 1.17 Attempting any act constituting cause for disciplinary action as identified in the above sections of this policy.
- 1.18 Sexual assault or sexual exploitation regardless of the victim's affiliation with the District.
- 1.19 Committing sexual harassment as defined by law or by District policies and procedures.
- 1.20 Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law.
- 1.21 Engaging in physical or verbal intimidation or harassment of such severity or pervasiveness as to have the purpose or effect of unreasonably interfering with a student's academic performance, or District employee's work performance, or of creating an intimidating, hostile or offensive educational or work environment.
- 1.22 Engaging in physical or verbal disruption of instructional or student services activities, administrative procedures, public service functions, authorized curricular or co-curricular activities or prevention of authorized guests from carrying out the purpose for which they are on District property.
- 1.23 Stalking, defined as a pattern of conduct by a student with intent to follow, alarm, or harass another person, and which causes that person to reasonably fear for his or her safety, and where the student has persisted in the pattern of conduct after the person has demanded that the student cease the pattern of conduct. Violation of a restraining order shall, without more, constitute stalking under this policy.
- 1.24 Persistent, serious misconduct where other means of correction have failed to bring about proper conduct or where the presence of

the student causes a continuing danger to the physical safety of students or others.

- 1.25 Engaging in expression which is obscene, libelous, or slanderous according to current legal standards, or which so incites students as to create a clear and present danger of the commission of unlawful acts on District property, or the violation of the lawful administrative procedures of the District or the substantial disruption of the orderly operation of the District.
- 1.26 Use of the District's computer systems or electronic communication systems and services for any purpose prohibited by Administrative Procedure 3720, Computer & Electronic Communication Systems, or for any act constituting cause for disciplinary action as provided in this policy.
- 2.0 No student shall be suspended from a college or North Orange Continuing Education program or expelled unless the conduct for which the student is disciplined is related to college, North Orange Continuing Education or District activity or attendance.
- 3.0 Any violation of law, ordinance, regulation or rule regulating, or pertaining to, the parking of vehicles, shall not be cause for removal, suspension, or expulsion of a student.
- 4.0 The Chancellor shall establish procedures for the imposition of discipline on students in accordance with the requirements for due process of law. The procedures shall identify potential disciplinary actions including, but not limited to, the removal, suspension or expulsion of a student.
- 5.0 The Chancellor shall establish procedures by which all students are informed of the rules and regulations governing student behavior.

See Administrative Procedure 5500

Date of Adoption:

January 28, 2003

Date of Last Revision:

November 28, 2017

October 25, 2016

November 26, 2014 Chancellor's Staff

September 25, 2012

October 23, 2007

Administrative Procedures 5500 - Student Discipline Procedures

Reference: **Education Code Section 66017; 76030 et seq. Penal Code Section 626.4**

1.0 The purpose of these administrative procedures is to provide a prompt and equitable means to address violations of the standards of student conduct in a manner consistent with requirements of due process of law. Nothing in these procedures is intended to infringe upon the rights of students to engage in the lawful exercise of free expression as protected by the state and federal constitutions and by the provisions of Education Code section 76120.

2.0 Definitions

2.1 **Administrator:** A management employee of the District having significant responsibilities for formulating District policies or administering District programs.

2.2 **District:** The North Orange County Community College District.

2.3 **College:** Cypress College, Fullerton College, and the School of Continuing Education and their respective programs.

2.4 **Student:** Any person currently enrolled as a student at a College or in any program offered by the District.

2.5 **Instructor:** Any instructional employee of the District in whose class a Student subject to discipline is enrolled.

2.6 **Student Discipline Officer:** The official at a College who is responsible for reviewing and processing student discipline matters.

2.7 **President:** The President of Cypress College, the President of Fullerton College, and the Provost of the School of Continuing Education.

2.8 **Day:** A day during which the District administrative offices are open for business. The time limits set forth in these procedures for action by the Student Discipline Officer, President, hearing officer or panel, and Board of Trustees are guidelines; failure to strictly adhere to these time limits shall not invalidate any action otherwise appropriately taken hereunder.

2.9 **Expulsion:** The involuntary removal of a student from the District and all District programs for one or more terms, or permanently, by action of the Board of Trustees.

2.10 **Formal Hearing:** A hearing conducted before a hearing officer or hearing panel in accordance with section 4.0 of these procedures during which the student and the District may call and examine witnesses and present documentary evidence.

2.11 **Informal Hearing:** A meeting between the student and the Student Discipline Officer or designee in accordance with section 3.2.3 of these procedures to discuss the charges and provide the student with the opportunity to respond to the charges orally, or in writing.

2.12 **Suspension:** The involuntary removal of a student for good cause from one or more classes or from the college by the President or designee for a limited period of time, as follows:

2.12.1 **Short-Term Suspension:** Removal from one or more classes for a period of up to 10 consecutive days of instruction;

2.12.2 **Long-Term Suspension:** Long-term suspension may consist of:

2.12.2.1 Removal from one or more classes for the remainder of the academic term;

2.12.2.2 Removal from one or more classes for one or more academic terms; or

2.12.2.3 Removal from all classes and activities of the College for one or more academic terms.

A student placed on suspension from one or more classes may not, for the period of the suspension, be enrolled in any class or program at any College in the District that is substantially similar to the class(es) or program(s) from which the student is suspended.

A student placed on suspension from all classes and activities of a College may not be enrolled in any College or program in the District for the period of suspension.

2.13 **Removal from Class:** The involuntary removal of a student from class by an Instructor for a maximum period of two consecutive class sessions.

2.14 Removal from Facility: The involuntary removal of a student by an administrator from a District or College facility, or facility under the control of the District or College for a maximum period of two consecutive days.

2.15 Disciplinary Probation: A status between good standing and suspension or expulsion. It covers a stated trial period and disciplinary conditions required of the student. At the end of the trial period, it shall be determined, based on whether the probationary conditions have been met, whether the student is to be returned to good standing, suspended, recommended for expulsion, or subject to other disciplinary action.

2.16 Loss of Privileges: Disciplinary action involving the loss of certain student privileges, such as eligibility to participate in extracurricular activities, for a stated period of time.

2.17 Formal Reprimand: Written admonition or warning to cease and desist from conduct that has been determined to violate the standards of student conduct. A formal reprimand becomes part of a student's permanent record and is considered in the event of future violations of the standards of student conduct.

2.18 Informal Reprimand: An oral admonition or warning to cease and desist from conduct that has been determined to violate the standards of student conduct. A record of the fact that an informal reprimand has been given may be retained as part of a student's record for a period of up to one year and is considered in the event of future violations of the standards of student conduct during the period of retention. It is the student's responsibility to request that the record be removed upon expiration of the period of retention.

2.19 Withdrawal of Consent to Remain on Campus: Withdrawal of consent by the President or the President's designee for a student or other person to remain on a College campus in accordance with California Penal Code section 626.4 where the College President has reasonable cause to believe that the student has willfully disrupted the orderly operation of the campus.

3.0 Procedures for Implementing Disciplinary Action

3.1 Removal of Student From Class or From a Facility

3.1.1 Removal From Class by an Instructor: An Instructor may order a student removed from class for good cause. Removal shall be for a maximum period of two class sessions, which shall be the day of the removal and the next class meeting.

Removal From a Facility by an Administrator: For good cause, an administrator may order a student removed from a facility for the day of the offense and the next day.

3.1.2 The student shall be advised of the removal and the reasons therefore. The Instructor or Administrator shall immediately report the removal, through established College administrative channels, to the Office of the President and to the Student Discipline Officer for appropriate action and shall submit, through those channels, a written report describing the conduct warranting the removal to the Student Discipline Officer within ten (10) days of the removal.

3.1.3 The appropriate program administrator or the Student Discipline Officer shall conduct a meeting with the student. If the student is a minor, the Student Discipline Officer shall ask the parent or guardian of the student to attend a parent conference with the Instructor, if the removal was from class, or if the removal was from a facility, with the administrator who ordered the removal, as soon as possible. If the Instructor, administrator,

or the parent or guardian so requests, the Student Discipline Officer shall attend the conference.

3.1.4 During the period of removal, the student shall not be returned to the class without the concurrence of the Instructor or, if the removal is from a facility, without the concurrence of the administrator who ordered the removal.

3.1.5 Nothing herein shall prevent the President or Student Discipline Officer from recommending further disciplinary action in accordance with these administrative procedures based on the conduct which prompted the removal.

3.2 Suspension or Expulsion

3.2.1 Except in the case of immediate interim suspension as provided in section 3.3 of these procedures, before implementing disciplinary action to suspend or expel a student, the student shall be provided with a written notice of the conduct warranting the discipline, which shall include:

3.2.1.1 The section(s) of the Standards of Student Conduct the student is charged with violating;

3.2.1.2 A brief statement of the facts supporting the charges;

3.2.1.3 The right of the student to an informal hearing with the Student Discipline Officer or designee to discuss the charges, or to respond in writing; and

3.2.1.4 The nature of the proposed disciplinary action.

3.2.2 The notice shall be provided to the student within thirty (30) days of the date on which the conduct occurred or the date on which an Instructor or other official of the District learned of the conduct; or, in the case of continuous, repeated, or ongoing conduct, the notice shall be provided within thirty (30) days of the date of the most recent occurrence. Within five (5) days of receiving the notice, the student may submit to the Student Discipline Officer a written request for an informal hearing, as provided in section 3.2.1.3. In addition to, or in lieu of requesting an informal hearing with the Student Discipline Officer, the student may submit a written response to the charges. Notice is deemed received as of the date it was personally delivered or three (3) days after it was placed in the United States mail.

3.2.3 If the student requests an informal hearing as provided in section 3.2.1.3, the Student Discipline Officer shall hold an informal hearing during which the student shall be given an opportunity to respond orally or in writing to the charges.

3.2.4 Within five (5) days after the informal hearing, or within ten (10) days after the student has received the written notice pursuant to section 3.2.1 and has declined or failed to request a meeting, the Student Discipline Officer shall provide the President with a written recommendation regarding the specific disciplinary action to be imposed, if any, which shall include the factual findings regarding the charges and conclusions as to the standards of student conduct that were violated, if those findings and conclusions differ in any material respect from the initial notice.

3.2.5 Within five (5) days after receipt of the recommendation of the Student Discipline Officer, the President shall render a decision regarding the disciplinary action to be implemented, if any, and shall provide written notice of the decision to the student. The President may accept, modify or reject the recommendation of the Student Discipline Officer.

3.2.5.1 Short-Term Suspension or Lesser Disciplinary Action

Where the decision of the President is to impose short-term suspension or some lesser disciplinary action, the decision of the President shall be final. The written notice to the student of the President's decision shall specify the length of time of the suspension or the nature and duration of the lesser disciplinary action.

3.2.5.2 Long-Term Suspension

3.2.5.2.1 Where the decision of the President is to impose long-term suspension, the student shall have the right to request a formal hearing before the suspension is imposed.

3.2.5.2.2 The written notice to the student of the President's decision shall specify the right of the student to request a formal hearing and shall include a copy of the formal hearing procedures.

3.2.5.2.3 Within five (5) days of receiving the written notice of the President's decision, the student may submit to the President a written request for a formal hearing. Notice is deemed received as of the day it was personally delivered or three (3) days after it was placed in the United States mail. The hearing, if requested, shall be conducted in accordance with the provisions of section 4.0 of these procedures. If the student does not request a hearing within five (5) days of receiving notice, the President's decision shall become final.

3.2.5.2.4 Within five (5) days after receipt of the recommended decision of the hearing officer or panel, the President shall render a final decision regarding the disciplinary action to be implemented, if any, and shall provide written notice of the decision to the student. The President may accept, modify or reject the findings, conclusions and recommendations of the hearing officer or panel. If the President modifies or rejects the decision of the hearing officer or panel, the President shall review the record of the hearing and shall prepare a new written decision which contains specific factual findings and conclusions. The decision of the President shall be final.

3.2.5.3 Expulsion

3.2.5.3.1 A student may be expelled for good cause where other means of correction have failed to bring about proper conduct or when the presence of the student causes a continuing danger to the physical safety of students or others. Only the Board of Trustees may expel a student.

3.2.5.3.2 Where the decision of the President is to recommend expulsion to the Board of Trustees, the student shall have the right to request a formal hearing before expulsion is imposed.

3.2.5.3.3 The written notice to the student of the President's decision shall specify the right of the student to request a formal hearing and shall include a copy of the formal hearing procedures.

3.2.5.3.4 Within five (5) days of receiving the written notice of the President's decision, the student may submit to the President a written request for a formal hearing. Notice is deemed received as of the date it was personally delivered or three (3) days after it was placed in the United States mail. The hearing, if requested, shall be conducted in accordance with the provisions of section 4.0 of these procedures. If the student does not request a hearing within five (5) days of receiving the notice, the President's decision shall become final.

3.2.5.3.5 Within five (5) days after receipt of the recommended decision of the hearing officer or panel, the President shall render a decision regarding the disciplinary action to be implemented, if any. The President may accept,

modify or reject the findings, conclusions and recommendations of the hearing officer or panel. If the President modifies or rejects the decision of the hearing officer or panel, the President shall review the record of the hearing and shall prepare a new written decision which contains specific factual findings and conclusions.

3.2.5.3.5.1 Where the decision of the President is to impose suspension or some lesser disciplinary action, the decision of the President shall be final. The student shall be provided with a written notice of the President's decision which shall specify the length of time of the suspension or the nature of the lesser disciplinary action.

3.2.5.3.5.2 Where the decision of the President is to recommend expulsion, the written recommendation of the President shall be submitted to the Board of Trustees for consideration in accordance with section 5.0 of these procedures. The Board of Trustees shall consider the recommendation for expulsion at the next regularly scheduled meeting of the Board following the meeting at which the recommendation was received.

3.2.6 The College President shall report all suspensions of students to the Chancellor.

3.2.7 Whenever a minor student is suspended, the parent or guardian shall be notified in writing by the President or designee.

3.2.8 In cases of assault, the Chancellor or President shall, upon the expulsion or suspension of any student, notify the appropriate law enforcement authorities of any acts of the student which may be in violation of section 245 of the Penal Code.

3.3 Immediate Interim Suspension

The President or designee may order the immediate suspension of a student where there is reasonable cause to believe that immediate suspension is required to protect lives or property and to ensure the maintenance of order. Where a student is placed on interim suspension, the procedural time limits specified in these procedures shall not apply. The student shall be given prompt notice of the charges and all hearing rights, including the right to a formal hearing where a long-term suspension or expulsion is recommended, shall be afforded the student within ten (10) days of the imposition of interim suspension. The student shall not, without prior written permission from the President or designee, enter the campus of any College other than to attend the hearing. Violation of the interim suspension conditions shall be grounds for expulsion.

3.4 Withdrawal of Consent to Remain on Campus

3.4.1 The President or designee may withdraw consent for a student to remain on the College campus, in accordance with California Penal Code section 626.4, where there is reasonable cause to believe that the student has willfully disrupted the orderly operation of the campus. A student who is on campus at the time consent is withdrawn shall promptly leave or be escorted off campus. Whenever consent is withdrawn by an authorized designee of the President, a written report shall be promptly submitted to the President.

3.4.2 Consent shall not be withdrawn for longer than fourteen (14) days from the date upon which consent was initially withdrawn. The student from whom consent has been withdrawn may submit a written request for a hearing to the Student Discipline Officer. The request must be submitted within the period of the withdrawal. A hearing, if requested, shall be held within seven (7) days of the date of receipt of the request. The hearing shall be conducted in accordance with the provisions of this procedure relating to interim suspensions.

3.4.3 A student from whom consent to remain on campus has been withdrawn and who willfully and knowingly enters or remains upon the campus or facility during the period for which consent has been withdrawn, except for the purpose of attending a meeting or hearing on the withdrawal, is subject to arrest.

4.0 Formal Hearing Procedures

4.1 Hearing Officer or Panel

4.1.1 At the discretion of the President, a formal disciplinary hearing may be conducted using the services of a hearing officer, or the President may select an impartial hearing panel comprised of two educational administrators at the level of dean or vice president, one of whom shall be selected from another college within the District.

4.1.2 The President shall appoint one member of the panel to serve as the chair of the hearing panel. The decision of the chair shall be final on all matters relating to the conduct of the hearing.

4.1.3 No administrator who has any direct involvement in the matter to be decided, who is a necessary witness, or who could not otherwise act in a neutral manner shall serve on a hearing panel.

4.2 Notification of Hearing

The student, and the student's parent or guardian, if the student is a minor, shall be notified by registered or certified mail or by personal service of the date, time, and location of the hearing.

4.3 Conduct of Hearing

4.3.1 Prior to the hearing, the members of the hearing panel shall be provided with a copy of the charges against the student and any written response provided by the student.

4.3.2 The hearing shall be closed and confidential.

4.3.3 The student shall have the right to represent himself/herself at the hearing or to be represented by a person of the student's choice, except that neither the student nor the District shall be represented by legal counsel unless authorized by the hearing officer or panel, in which case both parties shall be entitled to be represented by legal counsel.

4.3.4 A record of the hearing shall be made by the District, either by means of tape recording or stenographic recording, and shall be the only recording made. In the event the record is by means of tape recording, the hearing panel chair shall, at the beginning of the hearing, ask each person present to identify himself/herself by name, and thereafter shall ask each witness to identify himself/herself by name. Tape recordings shall remain in the custody of the District at all times, unless released to a professional transcribing service. The student may receive a copy of the tape recording upon request.

4.3.5 Formal rules of evidence shall not apply. Any relevant evidence shall be admitted.

4.3.6 The hearing officer or panel shall not have the authority to issue subpoenas on behalf of either the District or the student.

4.3.7 Charges against the student, along with supporting evidence from witnesses or other sources, will be presented by the District.

4.3.8 The student shall be given the opportunity to confront and cross-examine witnesses.

4.3.9 The student shall be given an opportunity to present a defense, including witnesses and documentary evidence.

4.3.10 The District shall have the opportunity to cross-examine the student and witnesses called by the student.

4.3.11 Unless the hearing officer or panel determines to proceed otherwise, the District and the student shall each be permitted to make an opening statement. Thereafter, the District representative shall make the first presentation, followed by the student. The District representative may present rebuttal evidence after completion of the student's presentation.

4.3.12 All testimony shall be taken under oath; the oath shall be administered by the hearing officer or hearing panel chair. Witnesses shall not be present at the hearing when not testifying. No witness who refuses to be recorded may be permitted to give testimony. Written statements of witnesses under penalty of perjury shall not be admissible unless the witness is unavailable to testify. A witness who refuses to be tape recorded is not unavailable.

4.3.13 The hearing officer or hearing panel chair may determine that requiring live testimony of a proposed witness would subject the witness to an unreasonable risk of psychological or physical harm. After such a determination, the witness may be permitted to provide a written statement under penalty of perjury in lieu of testifying at the hearing.

4.3.14 The burden shall be on the District to introduce substantial evidence to support the charges against the student.

4.3.15 Within fifteen (15) days following the close of the hearing, the hearing officer or panel shall prepare and submit a written decision to the President. The decision shall include specific factual findings regarding the charges, conclusions as to the standards of student conduct that were violated, and a recommendation regarding the specific disciplinary action to be imposed, if any. Failure of the hearing officer or panel to submit its written decision within fifteen (15) days shall not invalidate the decision.

5.0 Procedures for Consideration of Expulsion by Board of Trustees

5.1 The Board shall hold closed sessions when it considers disciplinary action regarding expulsion of a student. The Board shall notify the student, and the parent if the student is a minor, by registered or certified mail or by personal service of the intent of the Board to call a closed session to consider the expulsion. The notification shall specify the date, time and place of the meeting at which the Board will consider the disciplinary action and shall be provided at least three (3) days prior to the meeting. Final action by the Governing Board may be taken in closed session, provided that the action of the Board shall be reported in public session. The student shall not be identified by name or other designation that would disclose the identity of the student.

5.2 In considering a recommendation for expulsion, the Board may accept, modify or reject the findings, decisions and recommendations of the President and/or the hearing officer or panel. If the Board modifies or rejects the decision of the President and/or the hearing officer or panel, the Board shall review the record of the formal hearing, and shall prepare a new written decision which contains specific factual findings and conclusions. The decision of the Board shall be final. The student, and the student's parent or guardian, if the student is a minor, shall be notified in writing of the Board's decision.

Title IX and Civil Rights Grievances

North Orange County Community College District Non-Discrimination Statement

It is the policy of the North Orange County Community College District to provide an educational, employment, and business environment in which no person shall be unlawfully subjected to discrimination or sexual harassment, nor unlawfully denied full and equal access to the benefits of District programs or activities on the basis of ethnic group identification, national origin, religion, age, gender, race, color, ancestry, sexual orientation, marital status, or physical or mental disability as defined and prohibited by state and federal statutes. Any student who engages in unlawful discrimination or sexual harassment in violation of this policy will be subject to disciplinary action, which may include suspension or expulsion.

Students who believe they have been subjected to unlawful discrimination, including sexual harassment, or who seek information regarding the District's Unlawful Discrimination Policy, should contact the Office of the Vice Chancellor of Human Resources at (714) 808-4822.

The following person is designated by the North Orange County Community College District as the Responsible Officer/Section 504 and Title IX Coordinator for receiving and coordinating the investigation of all unlawful discrimination complaints filed pursuant to section 59328 of Title 5 of the California Code of Regulations, and for coordinating compliance with section 504 of the Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act of 1990, Title IX of the Education Amendments of 1992, and response to discrimination complaints related thereto:

Vice Chancellor Human Resources
1830 W. Romneya Drive
Anaheim CA 92801-1819
(714) 808 - 4822

Victims of Sexual Assault

Students who are victims of sexual assault occurring on District property or on an off-campus site or facility maintained by the District, or who seek information or assistance regarding a sexual assault, should contact the campus Director of Health Services at (714) 484-7045 or the Director of Campus Public Safety at (714) 484-7455. Except as may otherwise be required by law, all inquiries will be maintained in confidence.

Afirmación Sobre No Discriminación

Las normas generales del North Orange County Community College District proveen un entorno educacional, laboral y comercial en el que ninguna persona es expuesta a la discriminación ni al acoso u hostigamiento sexual, como tampoco a ninguna vejación castigada por la ley, ni a negarle, contrario a la ley, acceso total y equitativo a los beneficios y actividades de los programas del Distrito, debido al grupo étnico al cual pertenece, nacionalidad de origen, religión, edad, género, raza, color, ancestros, inclinaciones sexuales, estado civil, o discapacidad física o mental, tal como lo definen y prohíben los estatutos estatales y federales. Todo estudiante que discrimine, acose u hostigue ilegalmente a otra persona, en contravención de las normas generales, quedará sujeto a que se tomen medidas disciplinarias contra esa persona, lo cual puede incluir suspensión o expulsión de este centro educacional.

Todo estudiante que crea ha sido objeto de discriminación ilícita, incluyendo acoso u hostigamiento, o que desee obtener información con respecto a las Normas Generales del Distrito sobre Discriminación Ilícita

(District's Unlawful Discrimination Policy), debe comunicarse con la oficina del Director Distrital de Recursos Humanos (714) 808-4818.

La persona que mencionamos más adelante, ha sido designada por el North Orange County Community College District, como el Funcionario Responsable/Coordinador de la Sección 504/Derecho IX, ante quien se debe presentar la información para coordinar la investigación de todas las quejas de discriminación ilegal interpuestas, conforme a lo estipulado en la sección 59328 del Derecho 5 de las Reglamentaciones del Código de California, y para coordinar el acatamiento de la Sección 504 del Decreto de Rehabilitación de 1973 y del Derecho II del Decretote 1990 que ampara a los Americanos con Discapacidades, Derecho IX de las enmiendas de la educación de 1992, y responder a las quejas por discriminación relacionada:

Vice Chancellor Human Resources
1830 W. Romneya Drive
Anaheim CA 92801-1819
(714) 808 - 4822

Víctimas del Acoso u Hostigamiento Sexual

Aquellos estudiantes que sean víctimas de asalto sexual dentro del predio del Distrito o en algún sitio fuera del terreno o establecimiento universita

rio, bajo la responsabilidad del Distrito, o que busque información o ayuda con respecto a un asalto sexual, debe comunicarse con el Director de Servicios de Salubridad, llamando al teléfono: (714) 484-7045, o con el Director de la Seguridad Pública del Terreno Universitario, llamando al (714) 484-7455. Excepto como de alguna otra manera lo exija la ley, toda pregunta e información se mantendrá en la más estricta confidencialidad.

Admissions Requirements

Admission to Cypress College is governed by the laws of the State of California and such supplementary regulations as have been prescribed by the Board of Trustees.

The following people are eligible to enroll in Cypress College:

- Any high school graduate OR
- Any person possessing a California high school proficiency certificate OR
- Any person eighteen years of age or older who may benefit from instruction OR
- Any K–12 student who qualifies for the Special Admit Program. (Refer to the Special Admit section of this Catalog)

-
- [AB 1232](#): Nonresident Tuition and Fees for English as a Second Language (ESL) courses
 - [AB 1232](#): Provides an exception to the requirement that California Community Colleges charge the nonresident tuition rate for specified students enrolled in credit-bearing ESL courses.

This law states that a community college district (CCD), following admission and subsequent course enrollment, must charge a tuition fee to nonresident students, except that a CCD will exempt students who enroll in a credit-bearing ESL course from all of the fee if they are a:

1. Recent immigrant, as defined in Section 1101(a)(15) of Title 8 of the United States Code (USC).
2. Recent refugee, as defined in Section 1101(a)(42) of Title 8 of the USC; and,
3. Person who has been granted asylum by the United States, as defined in Section 1158 of Title 8 of the USC.

The exemption to nonresident tuition only applies to the tuition fee for credit-bearing ESL courses and to individuals who, upon entering the United States, settled in California and who have resided in California for less than one year.

Community college districts are mandated to exempt non-resident special part-time students from the requirement to pay non-resident tuition for community college credit courses. The term “special part-time student” refers to students who have been recommended by the principal of the pupil’s school and have parental permission to attend a community college during any session or term and who enroll in 11 or fewer units per semester, or the quarter equivalent, in accordance with Education Code section 76001. The exemption does not apply to special full-time students.

This exemption is not intended to apply to categories of students who would be precluded from qualifying for the AB540 nonresident tuition exemption:

1. Students who reside outside of California and enroll via Distance Education, and
2. Students with non-immigrant visas (except students who hold a T or U visa).

Students who receive a non-resident tuition exemption under the Assembly Bill 2364 provision do not receive resident status for fees or financial aid.

Community College districts are required to exempt non-resident tuition from a non-resident student who is a U.S. citizen and who resides in a foreign country if that student meets all of the following requirements.

1. Demonstrates a financial need for the exemption.
2. Has a parent or guardian who has been deported or was permitted to depart voluntarily under the federal Immigration and Nationality Act.
3. Moved abroad because of the deportation or voluntary departure.
4. Lived in California immediately before moving abroad.
5. Attended a public or private secondary school in California for three or more years.
6. Upon enrollment, will be in his or her first academic year as a matriculated student in California public higher education.
7. Will be living in California and will file an affidavit with the community college stating that he or she intends to establish residency in California as soon as possible.
8. Documentation shall be provided by the student as required by statute as specified in Education Code section 76140(a)(5).

Students who receive a non-resident tuition exemption under Senate Bill 141 do not receive resident status for fees or financial aid. Rather they are exempt from non-resident tuition fees under this law. These students do not qualify for the California College Promise Grant (CCPG) or any other state financial aid until they establish California residency. As citizens, Senate Bill 141 students may apply and qualify for federal financial assistance such as Pell, FSEOG, and federal student loans.

In conformity with the provisions of Title 5 of the California Administrative Code, it is the policy of the Board of Trustees of the North Orange County Community College District that, unless specifically exempted by statute, every course, course section or class, wherever offered and conducted throughout the District, shall be fully open to enrollment and participation by any person who is eligible for admission to the college and meets the stated prerequisites.

Students who are enrolling in the North Orange County Community College District for the first time and those who are returning after an absence of a Fall or Spring semester must submit the online admission application, known as Open CCCApply. Students who withdraw from the college during the first three weeks of a term must also submit a new admission application. The online application can be accessed at the college website, www.CypressCollege.edu.

Applications for admission will be accepted beginning March 1 for Summer and the Fall semester and beginning October 1 for the Spring semester.

As part of the Student Success Act 2012, Cypress College priority registration is changing. To guarantee eligibility for Priority Enrollment for Fall 2016, all **New and Returning Students** must meet the following three requirements:

- Complete the **assessment process** — complete the Guided Placement, ESL placement exam, or meet with a counselor
- Attend an **orientation** session, and
- Complete a **one semester education plan**.

Returning and Continuing Students must meet the following three requirements:

- Be in good academic and/or progress standing — not have been placed on academic dismissal and not on probationary status for two consecutive terms,
- Have completed 75% or more units with A, B, C, CR, and P, and
- Have not earned more than 100 degree-applicable units (at Cypress and Fullerton), excluding basic skills courses.

The Special Admit Program is intended for K–12 students who wish to enroll part time in **advanced scholastic or vocational** classes while concurrently enrolled at another school.

To be eligible for the Special Admit Program during the Summer session, Fall or Spring semesters, students must complete the Special Admit Form obtaining required recommendations and signature from the principal with parental or guardian permission and approval from a Cypress College counselor. In certain circumstances the signature of a division dean and the college president is required.

Special Admit students are required to meet all college admission requirements, attend assessment/orientation and meet course prerequisites. Special approval is required for full-time enrollment, persons under age eighteen who are/are not enrolled in school, and home school students. Enrollment into specific courses where content is deemed not appropriate for minors by the department may also require special approval. Students on F-1 or F-2 visas are eligible to enroll as Special Admit students and must pay non-resident tuition and fees.

Enrollment fees are waived for California resident Special Admit students in grades 9–12 who are enrolled in .5–11 units. Per Education Code 76300 Special Admit students registered in more than eleven units per semester are required to pay enrollment fees for all enrolled units. Special Admit students who are in grades K–8 are required to pay the enrollment fees for all enrolled units. Students who do not pay the required fees may be dropped from courses for non-payment. All Special Admit students are responsible for all other college fees including lab, health, parking, books, materials and other required fees.

To change enrollment status at the college, Special Admit students graduating from high school prior to the next college semester must bring to the Admissions and Records Office their diploma or high school transcript indicating their graduation date.

Courses taken by a Special Admit student are recorded on the student's permanent record as college credit in the same manner as regularly enrolled college students. Credit may be given at the high school and may meet a graduation requirement; however, students should first consult with the high school counselor. Special Admit students must adhere to all college policies on admission, registration, course requirements, attendance, Student Code of Conduct, and all other applicable policies and procedures.

Students wishing to enroll under the Special Admit Program can access the Special Admit Application Form from the college website. The Special Admit Application Form is valid for the current semester only. A new Special Admit Application must be submitted for enrollment

in subsequent semesters. Students must also file the online College Application for Admission by accessing the college website and applying on CCCApply.

All student records are protected under the Family Educational Rights and Privacy Act (FERPA) of 1974. *No one (including parents and high school officials) can access confidential information without the student's written consent.*

Complaints, Disputes, Grievances & Appeals

Complaints, Disputes, and Grievances

Cypress College adheres to laws and regulations and follows guidelines to resolve all types of complaints, disputes, and grievances related to college processes, procedures, employee conduct, discrimination, harassment, and sexual violence.

Many complaints, disputes, and grievances can be resolved informally by communicating with appropriate college personnel or accessing campus services. Where informal resolution is unsuccessful or inappropriate, a formal complaint may be filed and a formal investigation undertaken.

Student Non-Academic Complaints

Students who are dissatisfied with a campus process, procedure, or the conduct of a college employee may file a formal complaint. If appropriate, however, we encourage individuals to attempt informal resolution with college personnel first.

The Dean of Counseling and Student Development receives the dispute form.

Student Non-Academic Dispute

General Academic Appeal

Students may file petitions for exception and general appeals related to admission policies, readmission after academic dismissal, graduation, degree and certificate requirements, grades and credit, repetition of courses, academic renewal, and withdrawals.

The Admissions and Records office receives the exception form.

Petitions for Exception/General Appeals

Grade Change Appeal

An assigned grade may be formally appealed when there is evidence of one or more of the following conditions on the part of an instructor or staff member:

- a mistake in the assignment or the entry of the grade;
- fraud;
- bad faith;
- or incompetence.

Students who disagree with an assigned grade based on one or more conditions listed above may appeal for a grade change by completing the Final Grade Challenge form.

For information about the Grade Appeal process, please refer to the Cypress College Catalog.

The instructional dean who oversees the academic department receives the challenge form.

[View the Grade Appeal Process](#)

[Final Grade Challenge Form](#)

submit a complaint can initiate the process by choosing the relevant option below.

[Student Title IX](#)

[Employee Title IX](#)

Unlawful Harassment or Discrimination

North Orange County Community College District Policies 3410 (Unlawful Discrimination), 3430 (Prohibition of Harassment), and 3540 (Sexual Assaults and Other Sexual Misconduct) prohibit discrimination, harassment (including sexual harassment), and sexual assault and misconduct in any educational, employment, or business program or activity of the District.

Students and employees who believe they have been subjected to unlawful discrimination, including harassment (which includes sexual harassment), or sexual assault, or who seek information regarding the Unlawful Discrimination, Harassment, or Sexual Assault/Misconduct Policies should contact the Vice Chancellor of Human Resources.

Irma Ramos
Vice Chancellor, Human Resources
1830 W. Romneya Drive
Anaheim, CA 92801-1819
(714) 808-4826
iramos@nocccd.edu

To file a formal complaint with the Vice Chancellor of Human Resources:

[Unlawful Discrimination Complaint](#)

Sexual Assault or Misconduct – Title IX

Cypress College upholds BP 3540 on Sexual Assaults and Other Sexual Misconduct. If students or employees believe they have experienced sexual assault or other forms of sexual misconduct and seek support or further information, they should reach out to the college's Title IX Coordinator for students or the NOCCCD Title IX Officer for employees.

Students

Celeste Phelps
Dean, Student Support Services
Title IX Coordinator
E: cphelps@cypresscollege.edu

Employees

Yasmine Andrawis
District Director, EEO & Compliance
NOCCCD Title IX Officer
E: yandrawis@nocccd.edu

Students or employees who have experienced sexual assault or misconduct either on campus or at a college event/activity and wish to

Course Descriptions

Below are the descriptions of every course which may be studied at Cypress College. The advisory(ies), corequisite(s) or prerequisite(s) for the class are stated, if applicable. The program of instruction related to Course Numbering of courses is divided into major categories. Students are advised to confer with their counselors regarding the transferability of these courses to particular colleges or universities. Students entering Cypress College should consult with college counselors in planning their programs of study. The faculty and counseling staff of Cypress College will assist students in every way possible to make wise vocational and educational plans. Students, however, must assume the responsibility of their own choices and plans.

A

- Accounting (ACCT)
- Administration of Justice (AJ)
- Air Conditioning/Refrigeration (AC/R)
- Anthropology (ANTH)
- Art (ART)
- Astronomy (ASTR)
- Automotive Collision Repair (ACR)
- Automotive Technology (AT)
- Aviation and Travel Careers (ATC)

B

- Biology (BIOL)
- Business (BUS)

C

- Career Education (CE)
- Chemistry (CHEM)
- Chinese (CHIN)
- Communication Studies (COMM)
- Computer Information Systems (CIS)
- Computer Science (CSCI)
- Counseling and Guidance (COUN)
- Court Reporting (CTRP)

D

- Dance (DANC)
- Dental Assistant (DA)
- Dental Hygiene (DH)
- Diagnostic Medical Sonography (DMS)
- Disability Studies (DSST)

E

- Economics (ECON)
- Education (EDU)
- Energy and Sustainable Tech (EST)
- Engineering (ENGR)
- Engineering Technology (ENGT)
- English (ENGL)

- English as a Second Language (ESL)
- Ethnic Studies (ETHS)

F

- French (FREN)

G

- Geography (GEOG)
- Geology (GEOL)

H

- Health Information Technology (HI)
- Health Science (HS)
- History (HIST)
- Hotel, Restaurant, Culinary Arts (HRC)
- Human Services (HUSR)

I

- Interdisciplinary Studies (INDS)

J

- Japanese (JAPN)
- Journalism (JOUR)

K

- Kinesiology (KIN)

L

- Library Technology (LIB)
- Linguistics (LING)

M

- Mathematics (MATH)
- Media Arts Design (MAD)
- Mortuary Science (MORT)
- Music (MUS)
- Music-Applied (MUSA)

N

- Nursing (NURS)

P

- Philosophy and Religious Studies (PHIL)
- Photography (PHOT)
- Physical Sciences (PHSC)
- Physics (PHYS)
- Political Science (POLS)
- Political Science (POSC)
- Psychiatric Technology (PT)
- Psychology (PSY)
- Psychology (PSYC)
- Public Health Science (PHS)

R

- Radiologic Technology (RADT)
- Recreation (REC)

S

- Social Sciences (SOSC)
- Sociology (SOC)
- Spanish (SPAN)
- Statistics (STAT)

T

- Theatre Arts (THEA)

(These designations will appear in the course descriptions)

Cal-GETC

(California General Education Transfer Curriculum)

Courses with this designation satisfy lower division general education requirements at any CSU or UC campus.

CSU/UC

Courses with this designation are transferable to the campus of the University of California **AND** the California State University system.

- Courses **NOT** marked "UC" are **NOT transferable** to the University of California campuses.
- Students should confer with a counselor for information regarding transferability of courses marked **UC Limitation**.
- Students can view a complete list of Cypress College courses that are transferable to the UC at <https://www.assist.org/>.

C-ID

(Course Identification Number)

Courses with this designation will articulate with any other California Community Colleges (CCC) courses with the same designation for course content credit. C-ID

Accounting (ACCT)**ACCT 101 C Financial Accounting****5 Units**

Advisory: MATH 115 C or MATH 115PC

Term hours: 90 lecture. A course in beginning accounting meets transfer requirements to four-year colleges and universities and provides a foundation for vocational accounting or other areas of business administration. This course describes and illustrates financial accounting theory and principles, including classification of accounts, recording of financial transactions, presentation and analysis of financial statements, and fundamentals of the accounting cycle as applied to service and merchandising enterprises. Credit by Examination. (UC/CSU, C-ID: ACCT 110)

ACCT 102 C Managerial Accounting**5 Units**

Prerequisite(s): ACCT 101 C with a grade of C or better

Advisory: CIS 111 C and CIS 103 C

Term hours: 90 lecture. This is the study of how managers use accounting information in decision-making, planning, directing operations and controlling. Focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Includes issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. (UC/CSU, C-ID: ACCT 120).

ACCT 107 C Computerized Accounting with QuickBooks**3 Units**

Advisory: ACCT 101 C

Term Hours: 54 lecture. This course will introduce students to basic financial record keeping software using the double-entry system for recording transactions. Emphasis will be placed on how to use accounting application software in a small business environment. (CSU)

ACCT 201 C Intermediate Accounting I**3 Units**

Prerequisite(s): ACCT 101 C with a grade of C or better

Term hours: 54 lecture. This course provides an in-depth analysis of accounting theory and practice. Emphasis is placed on the changing nature of principles and practices, the application of present-value concepts, the complexity of transactions that arise in a multifaceted economic environment, and the use of accounting information in decision making. (CSU)

ACCT 202 C Cost Accounting**3 Units**

Prerequisite(s): ACCT 102 C with a grade of C or better

Term hours: 54 lecture. This course covers the nature, objectives, and procedures of cost accounting and managerial control of operations. It includes job, process, and standard costing; accounting for manufacturing overhead, direct materials and direct labor; budgeting; and cost records and reports. (CSU)

ACCT 205 C Ethics in Accounting**3 Units**

Prerequisite(s): ACCT 101 C with a grade of C or better

Term hours: 54 lecture. This course analyzes the concepts of ethical reasoning related to the decision making process for ethical theory, code of conduct, financial accounting reporting, and ethics in auditing, management accounting, and tax accounting. This course is for students pursuing an accounting certificate or degree, and for students looking to satisfy the accounting ethics requirement for the CPA exam. (CSU)

ACCT 295 C Accounting Internship**0.5-3 Units**

Advisory: ACCT 101 C

Term hours: 27-162 work experience education. This is a variable unit course designed to give students credit who are already interns at the introductory accounting internship level while concurrently enrolled in related course(s). This course is designed to provide quality students with various forms of practical job experience as part of their formal education. For each unit of credit, a minimum of 27 worksite internship hours is required. The internship allows students to apply knowledge gained in college courses to an actual work setting, sample career choices and improve job-readiness skills. Supplemental reading and course assignments required. May be taken for credit 4 times. Open Entry/Open Exit. (CSU)

Administration of Justice (AJ)

AJ 110 C Introduction to Criminal Justice

3 Units

Term hours: 54 lecture. 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 which have shaped those principles and approaches. Although justice structure and process is 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. (UC/CSU, AS GE, CalGETC, C-ID:AJ 110)

AJ 120 C Concepts of Criminal Law

3 Units

Prerequisite(s): Completion of or concurrent enrollment in AJ 110 C with a grade of C or better

Term hours: 54 lecture. This course offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice course will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes. (UC/CSU, AS GE, CalGETC, C-ID: AJ 120)

AJ 140 C Criminal Investigation

3 Units

Term hours: 54 lecture. This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process. (CSU, C-ID:AJ 140)

AJ 160 C Community and the Justice System

3 Units

Term hours: 54 lecture. This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in culture, religion, and law. (UC/CSU, CalGETC, C-ID: AJ 160)

Air Conditioning/Refrigeration (AC/R)

AC/R 036 C Refrigeration Certification Training (formerly titled Refrigerants, Charging and Recovery)

1 Unit

Prerequisite(s): AC/R 100 C

Term hours: 18 lecture. This is the study preparation and safety training for the Section 608 EPA Certification Exam, A2L Refrigerants Handling and Certification and Hydrocarbon Refrigerant Handling and Certification. All Certification testing is government approved third party testing.

AC/R 055 C Technician Customer Relations

1 Unit

Term hours: 18 lecture. This course provides guidelines and best practices for providing excellent field service customer relations that will enable front-line technicians and service staff in back-up and support roles to build, maintain, and increase a loyal customer base.

AC/R 100 C Principles of Thermodynamics and Heat Transfer

3 Units

Advisory: AC/R 120 C

Term hours: 27 lecture and 81 laboratory. This course is a basic study of the theory of thermodynamics and heat transfer as applied to mechanical vapor compression refrigeration cycle and system components. Classes include lectures with practical demonstrations and hands-on experience including laboratory projects demonstrate heat transfer theories and vapor compression mechanical system cycle components and accessories. (CSU)

AC/R 105 C Electricity for Air Conditioning and Refrigeration I

3 Units

Term hours: 27 lecture and 81 laboratory. This course includes the basic electrical theory, concepts and principles as applied to air conditioning and refrigeration. Schematic reading and drawing, with laboratory project applications involving circuit wiring, the measurement of electrical quantities with electrical meters and electrical safety, will be presented. (CSU)

AC/R 106 C Electricity for Air Conditioning and Refrigeration II

3 Units

Prerequisite(s): AC-R 105 C with a grade of C or better

Term hours: 27 lecture and 81 laboratory. This course is a continuation of Electricity for Air Conditioning and Refrigeration which builds upon the principles learned and applied. Course includes single phase, three phase electric motors and ECM pressure controls, time clocks and autotransformers with a lecture and laboratory practice exercises. (CSU)

AC/R 110 C Air Flow Design & Psychrometrics

2 Units

Term hours: 27 lecture and 24 laboratory. This course is an introduction into comfort cooling and air conditioning applications with a study of the behavior of air vapor mixtures as applied to the psychrometric chart and related to the design of duct systems, emphasizing duct sizing, air distribution, fans and sheet metal techniques, as it relates to indoor air quality. (CSU)

AC/R 115 C Gas Heat Transfer Systems

3 Units

Term hours: 27 lecture and 81 laboratory. This course is a basic study of gas heating systems for force air and boiler systems which include the principles of fuel combustion, combustion analysis, forced warmer air heat, boiler and hydronic systems. (CSU)

AC/R 120 C Piping Practice, Tools and Safety

3 Units

Advisory: AC/R 100 C Term hours: 27 lecture and 81 laboratory

This course includes laboratory projects and demonstrations involving design and construction of system piping, including techniques of shaping, forming, soldering, welding and the tools and safe practices required to design and construct refrigerant piping systems. \$36.00 Material Fee - Payable at Registration. (CSU)

AC/R 135 C Sustainability Design and Application (formerly Solar Energy for Heat and Cool)

2 Units

Term hours: 27 lecture and 27 laboratory. This course includes, laboratory projects and demonstrations involving sustainable design, equipment selection and building operation. Course contents includes theory and application of passive and active solar energy systems, renewable heating energies, photo-voltaic arrays, and thermal solar heating arrays. (CSU)

AC/R 137 C Blueprints and Dimension Analysis (formerly AC/R 037 C)**2 Units****Advisory:** AC/R 145 C

Term hours: 27 lecture and 27 laboratory. This course covers the application of engineering calculations and the reading of blueprint plan sets as encountered by the air conditioning and refrigeration field technician, project manager and design engineer. Course includes practical application of numbers to the topics of problem solving, dimension conversion and mathematical verification, proportions and ratios, length measurements with field application and exercises, area calculations, duct and sheet metal calculations, and equivalent units of measurement. This course includes elements of computer-aided design. (CSU)

AC/R 140 C Plumbing Princ and Practices**4 Units**

Term hours: 54 lecture and 54 laboratory. This course is designed to instruct the student in the application of plumbing technology as is used in commercial building systems. Students will apply the theories and skills taught in the classroom on laboratory mock-ups simulating industry standards. (CSU)

AC/R 141 C Plumbing Fixtures**3 Units****Prerequisite(s):** AC/R 140 C

Term hours: 27 lecture and 81 laboratory. This course is lecture and laboratory hands-on preparation involving the proper selection, application of sustainability and installation of basic commercial and domestic plumbing fixtures, including heat pump water heaters (CSU).

AC/R 142 C Plumbing System Repairs**2 Units****Prerequisite(s):** AC/R 140 C

Term hours: 27 lecture and 27 laboratory. This course is lecture and laboratory hands-on preparation involving field plumbing service repair diagnosis, repair techniques and proper repair solutions (CSU).

AC/R 143 C Plumbing Irrigation**2 Units****Prerequisite(s):** AC/R 105 C and AC/R 140 C

Term hours: 27 lecture and 27 laboratory. This course is lecture and laboratory hands-on study involving design, preparation and installation of field plumbing for environmental and sustainable irrigation systems (CSU).

AC/R 205 C Commercial Air Conditioning**3 Units****Prerequisite(s):** AC/R 100 C and AC/R 105 C with a grade of C or better

Term hours: 27 lecture and 81 laboratory. This is an advanced course with emphasis on the air conditioning cycle. Pipe sizing, absorption systems, centrifugal & screw chillers, cooling towers, air handlers, and chilled water pumping. (CSU)

AC/R 210 C Commercial Refrigeration**3 Units****Prerequisite(s):** AC/R 100 C and AC/R 105 C with a grade of C or better

Term hours: 27 lecture and 81 laboratory. This is an advanced course with emphasis on the refrigeration cycle. Pipe sizing, compressor sizing, H.P. requirements, single and two stage refrigeration systems and other advanced refrigeration systems will be included. (CSU)

AC/R 215 C Codes and Commissioning (formerly Estimating for HVAC)**3 Units****Advisory:** AC/R 100 C and AC/R 137 C

Term hours: 27 lecture and 81 laboratory. This course is an application practice course designed to demonstrate verification methods and practices of new construction, installation of subsystems for HVAC, plumbing, electrical, building envelopes, interior systems, co-generation, utility plants, sustainable systems, lighting, controls for energy efficiency and sustainability of life cost energy usage. This course includes application of the uniform building, mechanical and electrical codes used for inspection and certification. (CSU)

AC/R 220 C Introduction to Air Conditioning Controls (formerly A/C Controls and Energy Management)**2 Units****Advisory:** AC/R 105 C

Term hours: 27 lecture and 27 laboratory. This course is designed to instruct the students in the application of air conditioning pneumatic and Direct Digital controls as is used in commercial building systems. Students will apply the theories and skills taught in the classroom on laboratory mock-ups simulating industry standards. (CSU)

AC/R 225 C Green Air Conditioning and Auditing**2 Units****Advisory:** AC/R 100 C and AC/R 105 C

Term hours: 27 lecture and 27 laboratory. This course is designed to instruct the student in the design, application and maintenance of highly energy efficient (GREEN) air conditioning systems. Including topics on refrigerants, carbon footprint and efficient systems for commercial applications. (CSU)

AC/R 230 C Heat Pumps**2 Units****Prerequisite(s):** AC/R 100 C and AC/R 105 C with a grade of C or better

Term hours: 27 lecture and 27 laboratory. This course is designed to instruct the student in the application of heat pumps for sustainability and net zero energy in commercial and non-commercial building systems. Topics include heat pump hot water heaters. Students will apply the theories and skills taught in the classroom on laboratory equipment. (CSU)

AC/R 235 C Air Conditioning Capstone**2 Units****Advisory:** Completion of or concurrent enrollment in AC/R 137 C, AC/R

125 C, AC/R 205 C, AC/R 215 C

Term hours: 27 lecture and 27 laboratory. This course brings together all of the elements for the design, build estimating and bid aspects of an air conditioning project application. (CSU)

AC/R 245 C Load Calculations for Heating and Cooling (formerly AC/R 145 C)**2 Units****Prerequisite(s):** AC/R 110 C with a grade of C or better

Term hours: 27 lecture and 27 laboratory. This is an advanced air conditioning course in which the student will learn how to calculate the heating and cooling load of a building. The student will also create a computer spreadsheet to calculate the heat and cooling load. This course will also introduce the student to industry standards computer design systems for sustainability and maximum energy efficiency, according to ASHRAE Standard 90.1. (CSU)

AC/R 260 C Crew Leadership-Field Supervisor**2 Units**

Term hours: 36 hours lecture and 18 hours laboratory. In this course, work crew leaders and field supervisors play major roles in every HVAC/R installation and construction project. This course is an overview of team building and the role of supervisor in a field environment. (CSU)

AC/R 265 C Project Management**3 Units**

Term hours: 54 lecture and 18 laboratory. This course focuses on minor decisions that can have a major impact to the success of a HVAC/R project. It examines technical management skills, field safety, effective communications, management /leadership roles, concepts problem solving, decision-making, influence, conflict management resolution. (CSU)

AC/R 272 C Fundamentals of Direct Current Electricity**3 Units**

Term hours: 27 Lecture and 81 Laboratory. This course builds upon electrical concepts covered in AC/R 105 C and AC/R 106 C. Topics include voltage dividers, DC voltage and current sources, simplification theorems, AC current and voltage, oscilloscope fundamentals, reactive components and reactive circuits, basic filters, ladder logic, and shop drawings. (CSU)

AC/R 273 C Introduction to Personal Computer Hardware and Software**2 Units**

Term hours: 27 Lecture and 27 Laboratory. This course covers topics such as concepts and operation of direct digital controls such as input and output devices, programming strategies and translating sequence of operation documents for an HVAC system into an operations program for a DDC system. (CSU)

AC/R 274 C Instrumentation for Hydronic and Air Distribution**2 Units**

Term hours: 27 Lecture and 27 Laboratory. This course covers hydronic and air distribution system fundamentals. In addition, this course covers the installation and implementation of control instrumentation. (CSU)

AC/R 275 C System Networking**3 Units**

Term hours: 27 Lecture and 81 Laboratory. This course covers system networking for building automation. Topics include the fundamentals concepts of data transmission in various media types. The course is closely aligned with CompTia's Network+ Certification and assists students in their preparation for that credential. Topics include network fundamentals, standards, OSI model, IP protocol, network signal transmission, media, protocols, physical topologies, logical topologies, hardware, typical BAS networks, and typical BAS subnetworks. (CSU)

AC/R 276 C Automation Hardware**2 Units**

Term hours: 27 Lecture and 27 Laboratory. This course covers the safety, application, and installation of building automation hardware and telemetry. Topics include the major types of peripheral components found in BAS systems and how to properly select and apply them in the field; standard I/O wiring, temperature devices, humidity devices, pressure devices, flow devices, life and equipment safety devices, actuators and dampers, control valves, power supply devices, transducers, relays and contactors, motor controls, enclosures, and power monitoring devices. (CSU)

AC/R 277 C Control Logic Programming**3 Units**

Term hours: 27 Lecture and 81 Laboratory. This course in covers logic, truth tables, logical equivalences, conditionals, Boolean expressions, logic gates, digital logic circuits, number systems, object-oriented programming, data types, decision making, and programming style. (CSU)

AC/R 278 C Building Performance and Energy Auditing**3 Units**

Term hours: 27 lecture and 81 laboratory. This course covers data analysis for energy efficiency and building performance and includes topics such as energy use basics, effects of building design on energy use, identifying effective strategies to optimize buildings systems efficiencies, correct appliance applications and benefits; terminology, understanding and identifying different types of HVAC equipment, construction basics, window design, lighting fundamentals, and photo-voltaic. (CSU)

AC/R 279 C Building Automation Control Systems**2 Units**

Term hours: 27 lecture and 27 laboratory. This course covers common open protocols such as BACNET, Modbus and Lonworks, use of wireless protocol integration platforms such as Tridium Niagara and FieldBus, and review of whole building systems integration strategies. (CSU)

AC/R 280 C Automation Capstone Project**2 Units**

Term hours: 27 lecture and 27 laboratory. This course includes building automation hardware application and installation, control programming, incorporating knowledge of commercial air conditioning principles. Students will design, bid, and program automation controls and devices to accomplish a predetermined control outcome. (CSU)

AC/R 298 C Air Conditioning and Refrigeration Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-12 lecture and/or 0-36 laboratory. This is a course for students who wish to increase their knowledge of air conditioning and refrigeration. Various topics will be offered. Unit credit may range from 1/2 to 12 units in any given semester. Consult the class schedule to verify credit for a particular semester. Pass/No Pass or Letter Grade Option. Fees may be required - Payable at Registration. (CSU)

Anthropology (ANTH)

ANTH 101 C Biological Anthropology**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include, but are not limited to, genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The scientific method serves as foundation of the course. Duplicate credit not granted for ANTH 101HC or ANTH 201 C. (UC/CSU, AA GE, CalGETC, C-ID: ANTH 110).

ANTH 101HC Honors Biological Anthropology**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is an enhanced introduction to the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include, but are not limited to, genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The scientific method serves as foundation of the course. Duplicate Credit not granted for ANTH 101 C or ANTH 201 C (UC/CSU, AA GE, CalGETC, C-ID: ANTH 110).

ANTH 101LC Biological Anthropology Lab**1 Unit****Prerequisite(s):** Completion of or concurrent enrollment in ANTH 101 C or ANTH 101HC with minimum grade of "C"

Term Hours: 54 lecture. This laboratory course is offered as a supplement to Biological Anthropology (ANTH 101C/101HC) either taken concurrently or in a subsequent term. It provides an introduction to experiential and experimental laboratory research methods used in biological anthropology. Laboratory exercises are designed to introduce students to the scientific method and explore genetics, the forces of evolution, human variation, human osteology, human and non-human primate anatomy and behavior, the primate and hominin fossil record and other resources to investigate processes that affect human evolution. One field trip to a regional zoo will be required for non-human primate observations. Zoo admissions range \$10.00 - \$60.00. (UC/CSU, AA GE, CalGETC, C-ID: ANTH 115 L).

ANTH 102 C Cultural Anthropology**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course explores how anthropologists study and compare human culture. Cultural anthropologists seek to understand the diversity of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through marriage, family and kinship ties; what they believe about the world (religion and belief systems); how they express themselves creatively (the arts and expressive culture); how they make distinctions among themselves; how they have shaped and been shaped by the past; and how they navigate culture change and processes of globalization. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. Duplicate credit not granted for ANTH 102HC. (UC/CSU, AA GE, CalGETC, C-ID: ANTH 120).

ANTH 102HC Honors Cultural Anthropology**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is an enhanced exploration of how anthropologists study and compare human culture. Cultural anthropologists seek to understand the diversity of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through marriage, family and kinship ties; what they believe about the world (religion and belief systems); how they express themselves creatively (the arts and expressive culture); how they make distinctions among themselves; how they have shaped and been shaped by the past; and how they navigate culture change and processes of globalization. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. Duplicate credit not granted for ANTH 102 C. (UC/CSU, AA GE, CalGETC, C-ID: ANTH 120).

ANTH 103 C Introduction to Archaeology**3 Units****Advisory:** Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is an introduction to the study of concepts, theories, data and models of anthropological archaeology that contribute to our knowledge of the human past. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. (UC/CSU, AA GE, CalGETC, C-ID: ANTH 150).

ANTH 104 C Comparative Cultures**3 Units****Advisory:** Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course uses a focused cross-cultural and comparative approach to introduce anthropological concepts such as modes of production, family and kinship, economics, political organization, art and religion. Globalization and culture change will also be explored. A representative selection of culture areas will be featured through ethnography, providing perspective on the variety of human adaptation and how cultural systems are integrated. (UC/CSU, AA GE, CalGETC).

ANTH 105 C Introduction to Linguistic Anthropology**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H), or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This introductory course serves as a foundation for understanding language from an anthropological perspective, addressing such core questions as how, what, when, where, why and with whom we communicate. This course surveys three core areas in linguistic anthropology—structural linguistics: phonetics, phonology, morphology and syntax, as well as the biocultural basis of language; historical linguistics: origins and evolution/change, dialects, and language families; and sociocultural linguistics: language acquisition in cultural context, emphasizing the relationship between language and culture, and issues of language conservation and loss. (UC/CSU, AA GE, CalGETC, C-ID: ANTH 130).

ANTH 106 C Human Prehistory and Ancient Civilizations**3 Units****Advisory:** Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

This course is an introduction to the prehistoric development of civilizations both in the Old World and the New World beginning with early modern humans. Because the prehistoric is the time prior to cultures' writing about themselves, students will examine archaeological methods and theories used to describe the past. Topics will include the spread of modern humans, Mesolithic societies, the origins of food production and the evolution and collapse of various world civilizations. (UC/CSU, AA GE, CalGETC)

ANTH 107 C Magic Witchcraft and Religion**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is an introduction to the anthropology of religion. It will explore the beliefs and practices of numerous world cultures, particularly, but not exclusively, focusing on non-Western traditional societies, using a cross-cultural approach. Anthropological perspectives on the study of religion, mythology and symbolism will be discussed. Ritual, magic, divination, shamanism, sorcery, altered states of consciousness, healing, witchcraft, syncretism and new religious movements, among other related topics, will be analyzed with respect to the functions they have and how religion as a cultural institution is integrated into society in general and in the life of the individual. (UC/CSU, AA GE, CalGETC).

ANTH 121 C Native North America**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is an anthropological survey of the cultures of Native American societies of North America. Topics include the peopling of the New World, traditional culture, the impacts of culture contact both from Western cultures and native peoples' cultures on one another, and contemporary issues. (UC/CSU, AA GE, CalGETC).

ANTH 208 C Anthropology of Death**3 Units****Advisory:** Completion of ENGL C1000 OR ENGL 101 C OR ESL 110 C

Completion of ANTH 102 C or 104 C or 107 C. Term hours: 54 lecture.

This course is a cross-cultural exploration of the beliefs and practices surrounding death, dying, mourning, and mortuary customs, as well as conceptions of the afterlife, in both Western and non-Western cultures around the world, and how the individual is impacted sociologically, physiologically and psychologically throughout the life course by issues related to death and dying. It will emphasize how human social, political and economic institutions are inextricably interwoven using an integrated anthropological approach, including data from archaeology, biological anthropology, linguistic anthropology and cultural anthropology, as well as broader social science perspectives, methods, values and ethics. This course is specifically designed as a general education social science course and to illustrate how understanding beliefs and practices related to death and dying provide lifelong appreciation of the individual as an integrated physiological, social, and psychological being. Duplicate credit not granted for ANTH 308 C. (UC/CSU, AA GE, CalGETC).

ANTH 210 C Introduction to Forensic Anthropology**3 Units****Advisory:** Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C and prior

learning of the skeletal system or human osteology

Term hours: 54 lecture. Forensic anthropology is the application of standard, scientific, anthropological methods and techniques to identify human remains and to assist in the detection of a crime or after a mass disaster. This course provides a basic overview of the field of forensic anthropology, human osteology, the techniques used to make estimations of age, sex, ancestry and stature, recovery techniques and the analytic techniques and procedures used in the medico-legal framework. This class includes extensive analysis of anthropological methods, ethics, socio-cultural considerations and civic responsibilities inherent to forensic anthropology. (UC/CSU, CalGETC).

ANTH 212 C Applied and Practicing Anthropology (formerly ANTH 211 C)**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Formerly ANTH 211 C. Term Hours: 54 lecture Applied anthropology utilizes the principles, methodologies, value systems, and ethics of social scientific inquiry and anthropology in particular to solve real-world contemporary and historical human problems, in both Western and non-Western societies, with a focus on the interwoven nature of human social, political, and economic institutions. Students will explore the perspectives of applied and practicing anthropology across all subfields of anthropology in a manner which develops the student's analytical capacity and understanding of social science in ways that will be useful to any educated citizen and across any academic discipline. The course will provide students with tools designed to help understand and solve problems arising as a result of culture change, modernization, and globalization. The major arenas of study will include development anthropology and the use of technology in field settings, anthropology and healthcare, anthropology and advocacy, anthropology and law, organizational and business anthropology, and land and resource management, in addition to applied linguistic, archaeological and biological anthropology, and how they relate to core concepts and methods across anthropology and social science in general. The role of anthropologists as practitioners of behavioral science, and relationships between course concepts to a broader understanding of social science will be emphasized. An applied research project and/or field trips may be required. (UC/CSU, CalGETC).

ANTH 225 C Ancient Cultures of Mexico and Central America**3 Units****Advisory:** Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course explores the diverse cultures of ancient Mesoamerica from the origins of civilization through the initial period of Spanish contact. Mesoamerica is defined as the culture area extending from the Rio Grande to the north to the Isthmus of Panama to the south. While the contributions of all four fields of anthropology will be explored, this course will primarily approach the cultures of Mesoamerica from archaeological and ethnohistoric perspectives. The subsistence practices, social organization and ideologies of past cultures will be presented and links between these ancient lifeways and aspects of the modern cultures of northern Latin America will be discussed. (UC/CSU, AA GE, CalGETC).

ANTH 231 C Field Course in Archaeology I**3 Units****Advisory:** Completion of ANTH 103 C

Term hours: 18 lecture and 108 laboratory. This course provides practical experience in field archaeology through a combination of lectures and laboratory hours in a fieldwork setting. It is designed to provide an introductory understanding of site survey, archaeological methods, laboratory analysis, local prehistory and museum preparation. (CSU)

ANTH 232 C Field Course in Archaeology II**3 Units****Prerequisite(s):** ANTH 231 C with a grade of C or better**Advisory:** ANTH 103 C

Term hours: 18 lecture and 108 laboratory. This course provides intermediate level practical experience in field archaeology. Students will be expected to build on the skills introduced in ANTH 231 C through a combination of lectures and laboratory hours in a fieldwork setting. This class provides a more advanced understanding of site survey, archaeological methods, laboratory analysis, local prehistory and museum preparation, with an emphasis on the curation and analysis of specific artifact types. Students are also expected to mentor students in the co-occurring ANTH 231 C in the field by modeling introductory skills in a field setting. Completion of ANTH 232 C is intended to prepare students for entry-level positions in Cultural Resource Management. (CSU)

ANTH 298 C Anthropology Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-12 lecture and 0-36 laboratory. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge on a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 to 12 units. Consult the class schedule for the offerings in a particular semester. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

ANTH 299 C Anthropology Independent Study**1 Unit****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: Varying hours of scheduled conferences per week. This course is for able students who wish to extend their knowledge of a particular area through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so that they could learn more regarding their special topic. Course may be taken three times for credit. (UC Credit Limitation/CSU)

ANTH 308 C Anthropology of Death for Mortuary Science 3 Units
Prerequisite(s): ENGL C1000 or ENGL C1000H or ENGL C1000E or ESL 110 C, with a grade of C or better

Advisory: Completion of ANTH 102 C or ANTH 104 C or ANTH 107 C
 Term hours: 54 lecture. This is an upper division intensive writing course intended only for Cypress College's Bachelor of Science in Funeral Service students. (All other students interested in this course should take ANTH 208 C - Anthropology of Death). This course is a cross-cultural exploration of the beliefs and practices surrounding death, dying, mourning, and mortuary customs, as well as conceptions of the afterlife, in cultures around the world. An integrated anthropological approach will be taken, including data from archaeology, biological anthropology and cultural anthropology. Enrollment is limited to those accepted into the Funeral Service Bachelor of Science degree program. Duplicate credit not granted for ANTH 208 C. (CSU).

Art (ART)

ART 100 C Fundamentals of Art for Non-Art Majors 3 Units
 This introductory course for non-art majors explores how and why art has been made at different times and in different places in human culture. With an emphasis on how artworks create and communicate meaning, the course uses lectures, discussions, readings, and hands-on making to invite students into a conversation about art that centers their lives and experiences. Pass/No Pass/Letter Grade Option. Cost of Museum visit and materials will not exceed \$25.00. (UC/CSU, AA GE, CalGETC)

ART 110 C Introduction to Art 3 Units
Advisory: Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture. This course is designed to expose the student to art from prehistoric times to the present: its purposes, materials, themes, history, and significance. It also acquaints the student with art and artists' roles in present and past societies, and helps the student understand the uses of materials and visual elements (i.e., line, color, etc.) to communicate ideas in architecture, sculpture, painting, ceramics, crafts, filmmaking, printmaking, etc. Cost of museum visit will not exceed \$25.00. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC, C-ID: ARTH 100).

ART 111 C Survey of Art History I 3 Units
Advisory: Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture. This course studies the development of ancient and medieval architecture, sculpture, and painting in Western culture. Emphasis is placed on examining how art records and shapes history, how style communicates the ideas of the artist and his culture and how symbols, techniques, materials and subjects are used and transferred from one culture to another. Pass/No Pass/Letter Grade Option. Cost of Museum visit will not exceed \$25.00. (UC/CSU, AA GE, CalGETC, C-ID: ARTH 110).

ART 112 C Survey of Art History II 3 Units
Advisory: Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture

This course studies the development of architecture, sculpture, and painting of the Western world from the Renaissance through the Nineteenth century. Emphasis is placed on examining how art records and shapes history, how style communicates the ideas of the artist and their culture, and how symbols, techniques, materials, and subjects are used and transferred from one culture to another. Cost of museum visit will not exceed \$25.00. Duplicate credit not granted for ART 112HC. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU AA GE, CalGETC, C-ID: ARTH 120).

ART 112HC Honors Survey of Art History II 3 Units
Advisory: Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This is an enhanced course that studies the development of architecture, sculpture, and painting of the Western world from the Renaissance through the twenty-first century. Emphasis is placed on examining how art records and shapes history, how style communicates the ideas of the artist and their culture, and how symbols, techniques, materials, and subjects are used and transferred from one culture to another. Cost of museum visit will not exceed \$25.00. Duplicate credit not granted for ART 112C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: ARTH 120).

ART 114 C Modern Art History 3 Units
Advisory: Completion of ART 112 C, ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture

This course covers the development of modern art and architecture from its 19th century beginnings to the early twenty-first century. Emphasis is placed on exploring how art and architecture communicate meaning and interact with history, and on examining the ways in which the definition and practice of art has expanded over the past 200-years. Cost of museum visit will not exceed \$25.00. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC, C-ID: ARTH 150)

ART 116 C Arts of Africa, Oceania, and Indigenous North America 3 Units
Advisory: Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a survey of visual culture within selected regions in Africa, Oceania, and indigenous North America. This course requires out-of-class assignments with a maximum fee of \$25. Pass/No Pass/Letter Grade option. (CSU/UC, AA GE, CalGETC, C-ID: ARTH 140).

ART 120 C Two-Dimensional Design 3 Units
 Term hours: 36 lecture and 72 laboratory. Required Course for transfer degree. Introduction to the concepts, applications, and art historical and multi-cultural references related to two-dimensional art and composition, including the study of the basic principles and elements of line, shape, texture, value, color and spatial illusion. Course explores both digital media techniques and traditional studio techniques. Development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and written assignments. (UC/CSU, AA GE, CSU GE, C-ID: ARTS 100).

ART 121 C Three-Dimensional Design 3 Units
 Term hours: 36 lecture and 72 laboratory. Required Course for transfer degree. Introduction to the concepts, applications, cultural and art historical references related to three-dimensional design and spatial composition, including the study of the elements and organizing principles of design as they apply to three-dimensional space and form. Course explores both digital media techniques and traditional studio techniques. Development of a visual vocabulary for creative expression through lecture presentations and use of appropriate materials for non-representational three-dimensional studio projects. (UC/CSU, AA GE, C-ID: ARTS 101).

ART 122 C Introduction to Digital Art (formerly ART 122 C Gallery and Portfolio Design)**3 Units**

Term hours: 36 lecture and 72 laboratory. This course introduces the student to the computer as a creative tool for making art, illustration, sculpture and design from the perspective of the fine artist in the studio. Topics include integration of traditional art, design, color, and compositional elements and principles; exploration of contemporary art trends utilizing digital tools, including traditional and non-traditional software and hardware applications and processes for development of critical personal expression; evaluation of cultural and technological history, theory, and artwork of artists employing the computer in their final art practice; and development and creation of a variety of non-commercial artworks that express personal vision. (UC/CSU, C-ID: ARTS 250)

ART 123 C Color Theory**3 Units**

Term hours: 36 lecture and 72 laboratory. This course focuses on the scientific, artistic, and varied cultural understandings of color pertaining to painting, drawing, photography, media arts and design. This course utilizes the historical theories of color by previous artists to study distinct color properties and functions. This course investigates color symbolism and composition through isolation and reintegration of the elements of color theory that combines lecture, demonstration and critique with hands-on exploration in problem solving. Materials fees are provided to the student by the Art Department. (UC/CSU, C-ID: ARTS 270)

ART 130 C Introduction to Printmaking**3 Units**

Term hours: 36 lecture and 72 laboratory. This introductory course presents the artist with concepts and techniques of drawing, design, and color through the use of fine art printing medias such as etching, lithography, and woodcut. Course explores both digital media techniques and traditional studio techniques. (UC/CSU)

ART 131 C Intermediate Printmaking**3 Units**

Term hours: 36 lecture and 72 laboratory. This intermediate course will continue with exploration and technical problem solving in fine art printing medias such as etching, lithography, screen printing and woodcut. Course explores both digital media techniques and traditional studio techniques. (UC/CSU).

ART 146 C Beginning Sculpture (formerly ART 149 C)**3 Units**

Formerly ART 149 C. Term hours: 36 lecture and 72 laboratory. Introduction to three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Course explores both digital media techniques and traditional studio techniques. Various sculpture methods are practiced with attention to creative self-expression and historical context. Combines lecture, demonstrations, and critique with hands-on exploration in problem solving. (UC/CSU).

ART 147 C Intermediate Sculpture**3 Units**

Prerequisite(s): ART 146 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This intermediate course further explores three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Various sculpture methods are practiced with attention to creative self-expression and historical context. This course combines lecture, demonstrations and critique with hands-on exploration in problem solving. (UC/CSU).

ART 148 C Introduction to Crafts**3 Units**

Term hours: 36-lecture and 72-laboratory. Introduction to traditional and contemporary concepts and processes in a variety of craft media, with emphasis on the development of aesthetic forms based on function and design principles. Combines lecture, demonstration, and critique with hands-on exploration and problem solving. Course explores both digital media techniques and traditional studio techniques.(CSU).

ART 150 C Ceramics Handbuilding**3 Units**

Term hours: 36 lecture and 72 laboratory. Basic information about ceramics will be covered. Learning to construct ceramic forms with hand-building techniques will be applied to convey ideas, images, and feelings. Visual vocabulary as it pertains to all of the arts will be stressed. Basic technology of clay, glazes, and firing procedures is included. \$20.00 Materials Fee - PAYABLE AT REGISTRATION. (UC/CSU, AA GE)

ART 151 C Ceramics Throwing**3 Units**

Term hours: 36 lecture and 72 laboratory. This course covers basic information about ceramics with an emphasis on learning to use the potter's wheel as a tool, students will use it to convey ideas, images, and feelings. Visual vocabulary as it pertains to all of the arts is emphasized. Basic technology of clay, glazes, and firing procedures are included. \$20.00 Material Fee-Payable at Registration. (UC/CSU, AA GE)

ART 152 C Technical and Conceptual Ceramics**3 Units**

Prerequisite(s): ART 150 C or ART 151 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course deals with advanced technical skills in ceramic construction and visual concepts. Identification and application of one's personal aesthetic will be emphasized. Clay, glazes, and firing techniques are integral to this course. \$20.00 Materials Fee - PAYABLE AT REGISTRATION. (CSU/UC)

ART 153 C Ceramic Studio Exploration**3 Units**

Prerequisite(s): ART 152 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. Advanced technical and conceptual skills will be covered. Synthesizing the individual development of a personal aesthetic will be used. Application of this aesthetic will be used to create ceramic objects. Further technology of clay, glazes, and firing possibilities is expected. \$20.00 Materials Fee - PAYABLE AT REGISTRATION. (UC/CSU)

ART 154 C Ceramic Aesthetics and Finishes**3 Units**

Prerequisite(s): ART 153 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This class which explores various firing processes, glaze exploration and philosophy is designed for the advanced ceramic student. Developing a personal aesthetic towards the finished product will be emphasized. Experimentation of glazes will be stressed. \$20.00 Materials Fee - PAYABLE AT REGISTRATION. (UC/CSU)

ART 155 C Art Open Laboratory**0.5-2 Units**

Corequisite(s): Concurrent enrollment in Art 148 C, Art 146 C, Art 150

C-154 C Term hours: 27-108 laboratory

This course is designed as an open laboratory. Students may utilize the lab while it is open. This open lab with flexible hours and variable units is designed to provide students with space and equipment needed to complete art assignments. Twenty-seven (27) hours are required for each .5 unit up to 108 hours for two (2) units. May be taken for credit 4 times. Pass/No Pass. (CSU)

ART 161 C Introduction to Gallery Studies - Exhibition Preparation and Installation Techniques (formerly ART 1**3 Units**

Term hours: 32-36 lecture and 64-72 laboratory. This introductory course, students will be introduced to installation practices required to work in gallery and museum environments. This course will introduce art handling, conservation, visitor relations, installation, construction and maintenance. (CSU)

ART 162 C Intermediate Gallery Studies - Exhibition Organization and Management Techniques (formerly titled Ga**3 Units**

Term hours: 36 lecture and 72 laboratory. In this intermediate course, students will learn to organize and market exhibitions in gallery and museum environments. Course topics include: Curatorial methods and ethics, exhibition design and management, promotion, community relations, and development of related exhibition programming. (CSU)

ART 163 C Portfolio Development and Professional Practices (formerly titled Gallery Studies 3) 3 Units

Term hours: 36 lecture and 72 laboratory. In this course, students will learn to properly strategize, document, and present their portfolio for transfer to animation, art, ceramics, design, drawing and painting, entertainment arts, graphic design, illustration, photography, sculpture, and related transfer programs. Course topics include: portfolio development and continued education, internships, and residencies. (CSU)

ART 166 C Contemporary Art Studio 3 Units

Term hours: 36 lecture and 72 laboratory. This course introduces students to the practices of contemporary art, including current approaches to drawing and painting, sculpture, installation art, performance art, video, sound, and digital technologies. Students use a variety of traditional and digital processes to create works of art. This course is designed for Art majors. (CSU/UC)

ART 167 C Contemporary Art Studio 2 3 Units

Prerequisite(s): ART 166 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This advanced course further explores the practices of contemporary art, including current approaches to drawing and painting, sculpture, installation art, performance art, video, sound, and digital technologies. Students use a variety of traditional and digital processes to create works of art. This course is designed for Art majors. (CSU/UC)

ART 174 C Jewelry Design 3 Units

Term hours: 36 lecture and 72 laboratory. This is a course covering the design and construction of jewelry and small fabricated metal pieces. Emphasis will be placed on fabrication and direct casting techniques and their potential. \$35 Materials Fee - PAYABLE AT REGISTRATION. (CSU)

ART 175 C Metalsmithing 3 Units

Prerequisite(s): ART 174 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. The emphasis of this course will be placed on the development of advanced design skills, lost wax casting and stone setting techniques. \$35 Materials Fee - PAYABLE AT REGISTRATION. (CSU)

ART 182 C Beginning Drawing 3 Units

Term hours: 36 lecture and 72 laboratory. This course is an introductory class in the fundamentals of drawing. The student will be exploring traditional and experimental methods in drawing. There is strong emphasis on foundation skills such as form, value, composition and perspective. Perceptual skills and self-expression will also be stressed. The student will work from nature, man made objects and his or her own imagination. Non objective and abstract considerations will be examined in representational and experimental drawing. A variety of media will be introduced, such as graphite, charcoal, conte, pen and ink. Advanced students will be exposed to more color and mixed media. (UC/CSU, AA GE, C-ID: ARTS 110)

ART 183 C Intermediate Drawing 3 Units

Prerequisite(s): ART 182 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course is a continued study of drawing techniques and media. As a creative process, emphasis is placed upon individual experimentation as well as continued skills development and conceptual application pertaining to drawing. (CSU/UC/ C-ID: ARTS 205)

ART 184 C Advanced Drawing 3 Units

Prerequisite(s): ART 183 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course constitutes a study of advanced drawing issues stressing experimentation, traditional and contemporary drawing composition and methods. Emphasis is upon a body of work demonstrating individual conceptualism and material exploration. (CSU/UC)

ART 185 C Beginning Life Drawing 3 Units

Advisory: ART 182 C

Term hours: 36 lecture and 72 laboratory. This course is an introduction to the representational and expressive drawing of the human figure. It is a foundation for figure painting. The course provides an opportunity for exploration of various methods, approaches, and media in figure drawing. (CSU/UC/AA GE/C-ID: ARTS 200)

ART 186 C Intermediate Life Drawing 3 Units

Prerequisite(s): ART 185 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This is an intermediate course in drawing the human figure. The course emphasizes the refinement of basic skills, exercises and anatomy. Experimentation of different media and encouraged growth and personal vision are encouraged at this level. This course is recommended for all art majors. (CSU/UC)

ART 187 C Advanced Life Drawing 3 Units

Prerequisite(s): ART 186 C with a grade of C or better

Term hours: 36 lecture and 72 lecture. This is an advanced course in drawing the human figure. The emphasis of this course is a focused review of previous drawing exercises and the refinement of techniques. Advanced studio problems will be addressed, with historical and contemporary examples. Two hours lecture and four hours of studio per week. This course is recommended for art majors. (CSU/UC)

ART 191 C Life Painting 3 Units

Prerequisite(s): ART 185 C or ART 189 C, with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course is an introduction to painting the human figure as a means to a more penetrating perception of visual phenomena and as a means of creative expression. Paintings will progress from a limited palette to full color with the emphasis on light, color, composition and form. The course provides an opportunity for examination of historical and contemporary examples of figure painting and for exploration of various methods, approaches and media. This course satisfies the requirements for units in lower division Life Painting for transfer. (UC/CSU)

ART 193 C Portrait Painting 3 Units

Prerequisite(s): ART 191 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This is an advanced course in Life Painting. The emphasis will be developing the portrait through schematic studies and observational methods using models. Paintings will progress from limited palette to full color with emphasis on light, color, facial expression and form. Study of Historical and Interpretive styles in figurative work will be investigated. (CSU/UC)

ART 194 C Beginning Painting (formerly ART 189 C) 3 Units

Term hours: 36 lecture and 72 laboratory. The purpose of this course is to approach painting as a creative and problem solving process. Emphasis will be placed on the acquisition of technical/formal skills and the development of a personal artistic vision. This course will include a variety of media and the fundamentals of composition, color theory, and craftsmanship as applied to painting and the fine arts. (UC/CSU, AA GE, C-ID: ARTS 210)

ART 195 C Intermediate Painting 3 Units

Prerequisite(s): ART 194 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course is a continued study of painting techniques and media. As a creative process, emphasis is placed upon individual experimentation as well as continued skills development and conceptual application pertaining to painting. (CSU/UC)

ART 196 C Advanced Painting**3 Units****Prerequisite(s):** ART 195 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course constitutes a study of advanced painting problems stressing experimentation, traditional and contemporary painting composition and methods. Emphasis is upon a body of work demonstrating individual conceptualism and material exploration. (CSU/UC)

ART 197 C Beginning Watercolor Painting**3 Units**

Term hours: 36 lecture and 72 laboratory. Emphasis is on basic skills in watercolor painting through lecture, demonstrations and studio practice, students learn realism, abstract, representational, conceptual approaches and techniques in painting. The basic formal elements and principles of design, as well as observational and theoretical investigation of color theory will be reviewed as it relates to painting. Traditional and experimental techniques are explored. (CSU/UC, C-ID: ARTS 210)

ART 216 C Latin American Art**3 Units****Advisory:** ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a survey of arts and architecture of Mexico, Central America, and South America from 1200 BC to the late 20th century. Cost of museum visit will not exceed \$15.00. Pass/No Pass/Letter Grade Option. (UC/CSU AA GE, CalGETC).

ART 244 C Illustration**3 Units****Advisory:** ART 182 C

Term hours: 36 lecture and 72 laboratory. This is an introductory course in the art of illustration. Primary emphasis is on the design and execution of illustrations for various uses in a variety of media. Course content includes designing to communicate a message, composition, style, development of preliminary drawings, preparation of drawings for printed reproduction, and experiments in the use of various media. The business of Illustration is also introduced in this class. \$20 materials fee payable at registration. (CSU/UC)

ART 245 C Intermediate Illustration**3 Units****Prerequisite(s):** ART 244 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This is an intermediate course in the art of illustration. Primary emphasis is on the design and execution of illustrations for various uses in a variety of media. Course content includes designing to communicate a message, composition, style, development of preliminary drawings, preparation of drawings for printed reproduction, Digital to formal translation and experiments in the use of various media. The business of Illustration is also applied in this class. \$20 Materials fee payable at registration. (CSU)

ART 246 C Advanced Illustration**3 Units****Prerequisite(s):** ART 244 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This advanced level course in illustration presents the student with the opportunity to create an elevated and accelerated level of problem solving within the creation of finished illustrations, from thumbnail sketches to final art. Emphasis in this course is critical thinking skills, conceptual skills, addressing aesthetic intent for the illustration for printed media, such as books, newspapers, magazines as well as illustration for the web and electronic entertainment, theme park and motion picture industries. Projects are designed to prepare the student for the professional skills necessary in creating an industry appropriate portfolio of work and for transfer to a 4 year institution. \$20 materials fee is payable at registration. (CSU/UC)

ART 299 C Independent Study**0.5-2 Units****Prerequisite(s):** Approved Independent Study Learning Contract.

Term hours: 27-108 Laboratory. This is a course that is designed for the student to increase their knowledge of a particular art discipline. Unit credit may range from 1/2 to 2 units in any given semester. May be taken for credit 4 times.(CSU)

Astronomy (ASTR)

Division Dean

Patricia Menchaca

Faculty

Ron Armale

Michael Frey

Counselor

Ernesto Heredia

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, and C-Critical Thinking, Problem Solving, and Information Competency Skills; specifically, the following ISLO/PSLO subcategories: A1-Science, Technology, Engineering, and Mathematics, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C4-Problem Solving, and C5-Technology.

Automotive Collision Repair (ACR)

ACR 020 C Auto Detail/Car Care - Beginning**3 Units**

Term hours: 36 lecture and 54 laboratory. This is an introductory automotive detailing and car care course. Detailing chemicals, processes, tools and equipment are covered in the class. Topics include the theory, diagnosis of paint conditions, and communication with the customer. Laboratory activities will emphasize skill competency in paint condition identification, washing, waxing, polishing and interior care.

ACR 021 C Advanced Auto Detailing**3 Units****Prerequisite(s):** ACR 020 C or AC/R 120 C with a grade of C or better

Term Hours: 36 Lecture and 54 Laboratory. This is an advanced course in automotive detailing and car care. Topics include: starting a detailing business, location determination, customer service, and advanced detailing techniques. Laboratory activities include receipt and delivery of customer vehicles, use of chemicals, and advanced detailing.

ACR 101 C Auto Collision Repair Technician I (formerly ACR 001 C)**6 Units**

Term hours: 54 lecture and 162 laboratory. This course covers the fundamentals of automotive collision repair with an emphasis on safety, proper use of tools, and industry standards and regulations. An overview of technical principles and in-depth cover of sheet metal straightening and welding practices will also be discussed. \$20 materials fee payable at registration. (CSU)

ACR 102 C Auto Collision Repair Technician II (formerly ACR 002 C)**6 Units****Prerequisite(s):** ACR 101 with a grade of C or better

Term hours: 54 lecture and 162 laboratory. This course continues to cover the fundamentals of automotive collision repair with an emphasis on safety, proper use of tools, industry standards and progressive skills development. An overview of technical principles and in-depth coverage of sheet metal straightening and welding practices will also be discussed. \$20 materials fee payable at registration. (CSU)

ACR 103 C Auto Collision Repair Technician III (formerly ACR 003 C)**6 Units****Prerequisite(s):** ACR 102 C with a grade of C or better

Term hours: 54 lecture and 162 laboratory. This course is the third course in progressive skills development and covers major body repairs with welded panel replacement, panel alignment, upholstery removal and replacement. Glass removal and replacement, advanced metal work, including straightening of frames will also be discussed. \$20 materials fee payable at registration. (CSU)

ACR 104 C Auto Collision Repair Technician IV (formerly ACR 004 C)**6 Units****Prerequisite(s):** ACR 103 C with a grade of C or better Term hours: 54 lecture and 162 laboratory

This course is the fourth course in progressive skills development in collision repair. Students will learn advanced techniques in all areas to include body electrical systems, M.I.G. welding, power windows, tail gates, employer-employee relations, shop-related business procedures and rust proofing. \$20 materials fee payable at registration. (CSU)

ACR 107 C Refinishing Technician I (formerly ACR 007 C)**6 Units**

Term hours: 90 lecture and 54 laboratory. This is the first introductory course to the automotive refinishing industry. Topics include refinishing techniques with water based materials and urethane topcoat, equipment, procedures and techniques necessary to properly prepare and refinish a wide range of automotive vehicles. \$20 materials fee payable at registration. (CSU)

ACR 108 C Refinishing Technician II (formerly ACR 008 C)**6 Units****Prerequisite(s):** ACR 107 C with a grade of C or better

Term hours: 90 lecture and 54 laboratory. This is the second course in the series to the automotive paint and refinishing industry. Progressive skill development in a variety of products and techniques for proper preparation and application will also be discussed. This course aligns with industry standards for safety and quality. \$20 materials fee payable at registration. (CSU)

ACR 109 C Refinishing Technician III (formerly ACR 009 C)**6 Units****Prerequisite(s):** ACR 108 C with a grade of C or better

In this course, students will learn advanced level skills in the progressive series of ACR 107 C, ACR 108 C and this course in custom painting materials and techniques. Skills in a variety of paints and techniques will be acquired. \$20 materials fee payable at registration. (CSU)

ACR 110 C Vinyl Wrap Application**3 Units**

Term hours: 45 Lecture and 27 Laboratory. This course will give an understanding of products related to the application of vinyl and its related uses. \$125 materials fee payable at registration. Pass/No Pass/Letter Grade Option.(CSU)

ACR 112 C Collision Damage Appraisal (formerly ACR 012 C)**3 Units**

This course is designed to prepare students to enter the field of collision damage appraisal. Students will learn how to write repair estimates on damaged vehicles. This course will cover frame straightening, glass, paint, and the use of various manuals. (CSU)

ACR 113 C Computerized Automotive Damage Appraisal (formerly ACR 013 C)**3 Units**

Term hours: 54 lecture. This course is designed for students who have had previous estimating training or some experience in automotive damage appraisal. Students will learn computer-based estimating software used in the collision repair industry. This course will give the student an opportunity to develop skills in computer-assisted estimate writing. (CSU)

ACR 130 C Electrical Systems and Component Repair (formerly ACR 030 C)**4 Units****Prerequisite(s):** Completion of, or concurrent enrollment in, ACR 102 C, ACR 203 C or ACR 104 C, or employment in the industry

Term hours: 54 lecture and 54 laboratory. This course will include advanced techniques in auto collision repair. Topics included are collision-related electrical repairs, supplemental restraint system (SRS) sheet mold compound (SMC), interior and exterior plastic repairs, plastic welding, bumper energy absorbing systems, air conditioning, sun roofs, aluminum repair and welding. Students are given practical application for diagnosis, repair and servicing on both laboratory and live projects. \$20 materials fee payable at registration. (CSU)

ACR 140 C Structural Alignment Repair (formerly ACR 040 C)**4 Units****Prerequisite(s):** Completion of or concurrent enrollment in ACR 102 C or ACR 103 C or ACR 104 C, or employment in the industry

Term hours: 54 lecture and 54 laboratory. This course will emphasize the diagnosis and restructuring of the unitized automobile, light truck frame and body, use of manuals, structural restoration, centerline gauge use, dedicated measurement systems, sectioning techniques, corrosion protection, relationship of suspension and structural components. (CSU)

ACR 150 C ACR/Special Projects**2-3 Units**

Term hours: 18 lecture and 48-108 laboratory depending on units attempted. This course is designed to offer students a supervised independent program to continue and broaden their studies in automotive collision repairs. May be taken for credit 4 times.

ACR 160 C Collision Repair Management (formerly ACR 060 C)**3 Units**

This advanced skills course is designed for ACR students pursuing a management and sales career in the collision repair industry. Areas covered include: vehicle check-in, movement/tracing, financial statement analysis, production management, insurance practices with collision repair facilities, Bureau of Automotive Repair rules, quality control methods, equipment purchase/lease decisions, inventory, shop layout and design, managing multiple stores and new car dealership collision repair centers and human resources. NATEF, ICAR, insurance industry standards and compliance are also covered. (CSU)

ACR 170 C Automotive Color Matching (formerly ACR 070 C)**3 Units**

Term hours: 54 lecture. This course is an introduction to the concepts and techniques of matching colors applied to automobiles. This course covers color, light and vision theory, spray gun application techniques, and extensive use of solid, metallic, and pearl color match exercises. This course will be using automotive paint mixing systems. Students will be required to provide certain safety and respiratory protection equipment. (CSU)

ACR 298 C Automotive Collision Repair Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-1080 laboratory depending on units attempted. This is a course for students who wish to increase their knowledge of automotive collision repair. Various topics will be offered. Unit credit may range from 1/2 to 12 units in any given semester. Consult the class schedule to verify credit for a particular semester. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration. (CSU)

Automotive Technology (AT)

AT 050 C Automotive Technology Special Projects**0.5-3 Units****Prerequisite(s):** Completion of or concurrent enrollment or a grade of C or better in AT 120 C or AT 130 C or AT 140 C or AT 150 C

Term hours: 27-162 Laboratory. This course will include supervised independent lab work on units and "live" vehicles. It is designed to allow the student to gain more practical experience repairing components and servicing automotive systems. Only approved project work will be allowed. May be taken for credit 4 times. \$30.00 Material Fee - Payable at Registration. (CSU Transferable)

AT 101 C Survey of the Automobile**3 Units**

Term hours: 54 lecture. This course provides basic knowledge of the automobile, including engines, power trains, suspension and brakes, electrical and fuel systems. Other areas of instruction will be in the discussion of services typically required to maintain modern automobiles and the use of tools and equipment normally used in the care of the automobile. (CSU)

AT 102 C Automotive History**3 Units**

Term hours: 54 lecture. This course details the growth of the automotive industry in the U.S. from the late 1890's through the global business climate of today. Topics include biographical sketches of industry pioneers, geographical why's and where's of the industry, the roots of automotive design, and an in depth review of major engineering achievements. The course includes visits to historical automotive collections at a cost not to exceed \$40.00. (CSU)

AT 105 C Automotive Electrical I**6 Units**

Term hours: 81 Lecture and 81 Laboratory. This course introduces the concepts of electrical systems and electronic control of the automobile. Areas covered will include basic electrical concepts, batteries, starting systems, charging systems, and body electrical diagnosis, including ECU controlled circuits. Course instruction will consist of lecture, demonstration, web based learning with student application in the use of test equipment on simulator boards and "on-car" diagnosis with electrical wiring diagrams, charts, and schematics. \$25.00 Materials Fee - Payable at Registration (CSU)

AT 106 C Automotive Electrical II**6 Units****Prerequisite(s):** AT 105 C with a grade of C or better

Term hours: 81 Lecture and 81 Laboratory. This course covers the concepts of ECU controlled circuits, vehicle ECU networks, supplemental restraint systems, advanced driver assistance systems and advanced vehicle systems including anti-theft, smart key and infotainment. Course instruction will consist of lecture, demonstration, web based learning with student application in the use of test equipment, simulator boards and "on-car" diagnosis using service information and applicable test equipment. \$25.00 Materials Fee - Payable at Registration. (CSU)

AT 107 C Automotive Electrical III**4 Units****Prerequisite(s):** Completion of or concurrent enrollment in AT 106 C

Term hours: 54 lecture and 54 laboratory. This course covers the concepts of advanced diagnostic principles of power train and body electrical systems as they relate to modern vehicle network systems including CAN, Powertrain, and other manufacturer's network systems. Course instruction will consist of lecture, demonstration, web based learning with student application in the use of test equipment on simulator boards and "on-car" diagnosis with electrical wiring diagrams, charts, and schematics. \$25.00 Materials Fee - Payable at Registration. (CSU)

AT 109 C Introduction to Toyota Automotive Technology**4 Units****Advisory:** Note that this is a restricted course

Students desiring to enroll in this course must have participated a T-TEN overview meeting and/or the T-TEN orientation meeting to obtain clearance to enroll. Term Hours: 54 lecture and 54 laboratory. This course provides essential knowledge for Toyota/Lexus automobiles. Also included will be instruction in the use of tools, equipment and processes normally used in Toyota/Lexus dealer service departments. Emphasis will be on the operating principles, nomenclature of car care, vehicle inspection, preventive maintenance and minor repair procedures. \$25.00 Material Fee - Payable at Registration. (CSU).

AT 110 C Intro to Automotive Technology**4 Units**

Term hours: 54 lecture and 54 laboratory. This course provides essential knowledge and hands-on experience including the following: Shop safety, use of vehicle lifts and jacks, accessing service information, types and use of tools/shop equipment, shop policies and procedures, technician career paths, ASE certification, automotive chemicals, repair orders, precision measuring tool use, fasteners, and other skills that may be required in the automotive shop environment. (CSU)

AT 111 C Automotive Quick Service**6 Units****Prerequisite(s):** AT 110 C with a grade of C or better

Term hours: 81 lecture and 81 laboratory. This course covers the essential content and skill practice for a technician to perform quick service skills including, shop safety, correct use of required tools, service information use, repair order write up/documentation, vehicle inspection, oil change, fluid flush and other quick service maintenance work. \$25 Material Fee - Payable at Registration. (CSU)

AT 115 C Automotive Air Conditioning**4 Units****Prerequisite(s):** Completion of or concurrent enrollment in AT 105 C with a grade of C or better

Term hours: 54 lecture and 54 laboratory. This course emphasizes the acquisition of the practical skills needed to both understand principles of refrigeration and perform system diagnosis and repair. Demonstrated lecture, shop lab simulators and "live" vehicles will be used to learn service diagnosis, repair and installation of air conditioning systems including automatic temperature control. Safety and environmental concerns along with CFC recovery, recycling, retrofitting R12 systems to R-134A and new refrigerant types will be covered. \$25 materials fee payable at registration. (CSU)

AT 120 C Auto Engine Repair and Machining**12 Units****Prerequisite(s):** AT 105 C and AT 110 C with grades of C or better

Term hours: 162 lecture and 162 laboratory. This course covers the acquisition of practical skills needed for accurate internal combustion engine diagnosis and repair and all phases of engine rebuilding machine work. Demonstrated lecture, simulated problem diagnosis, and practical application on "live" vehicles will be used. Individualized instruction on Automotive rebuilding tools and machinery is an integral part of this course. Engine theory, design, repair, practical and theoretical high performance modifications are part of the course. Preparation for ASE certification test A1 will be covered. \$30 Material Fee-Payable at Registration. (CSU)

AT 130 C Auto Chassis and Brake Systems**12 Units****Prerequisite(s):** AT 110 C or AT 109 C and AT 260 C with a grade of C or better

Term hours 162 lecture and 162 laboratory. This course emphasizes the design, operating principles, service, repair and diagnosis of chassis and brake systems used on current production vehicles. Major topics of study will be wheel alignment procedures, tire and wheel balance, suspension and steering system repair, hydraulics, and brake system service and repair. Application will be applied under simulated repair shop procedures using "live" vehicles. Preparation for ASE (A4 and A5) certification is covered. \$30.00 Materials Fee - Payable at Registration. (CSU)

AT 140 C Auto Drivetrains and Transmissions**12 Units****Prerequisite(s):** AT 110 C or AT 109 C and AT 105 C or AT 260 C with a grade of C or better

Term hours: 162 lecture and 162 laboratory. This course will include operation principles, design, repair, rebuild and service procedures for manual transmissions, automatic transmissions, clutch assemblies, drive lines, final drive axles and trans-axles units. Demonstrated lectures and shop laboratory work on drive train components will be covered with emphasis on procedures to industry standards. Practical application will be under simulated shop conditions on "live" and "lab" vehicles. Preparation for ASE certification will be covered. \$30.00 Materials Fee - Payable at Registration (CSU)

AT 150 C Auto Performance and Drivability**12 Units****Prerequisite(s):** AT 110 C or AT 109 C and AT 105 C or AT 260 C with a grade of C or better

Term hours: 162 lecture and 162 laboratory. This course will include operating principles, design, and repair procedures of the computerized engine management system and the application of related diagnostic tools and equipment. In addition, alternators, starters, batteries, ignition systems, emission control systems, 5 gas analysis, and scan tool use will be covered. Skill competency development will be under simulated shop conditions on "live" vehicles. Preparation for ASE certification test A8 will be covered. \$30 materials fee payable at registration. (CSU)

AT 170 C Clean Air Car Level 1 and 2**4 Units****Advisory:** AT 105 C

Term hours: 54 lecture and 54 laboratory. This course prepares students for the State of California Smog Check license for level 1 and 2 applicants. Course includes safety, BAR rules and regulations, engine performance, and emission control devices. Modern diagnostic equipment including a BAR 5 gas analyzer, low pressure EVAP tester, and scan tools will be covered as applicable to California's emissions inspection program \$15.00 Material Fee - Payable at Registration. (CSU)

AT 171 C Advanced Clean Air Car Course**2 Units**

Term hours: 36 lecture. This course covers advanced operating procedures, diagnostic strategies, and repair procedures for emissions testing. Course emphasizes baseline techniques, five gas analysis and lab scope use. Course meets California BAR Smog Check licensing requirements. (CSU)

AT 195 C Automotive Service Advisor**4 Units****Advisory:** AT 110 C

Term hours: 54 lecture and 54 laboratory. This is a course in the concepts and application of the Service Advisor's job duties primarily as they apply to job skills required in the service department of new vehicle dealerships. Course instruction will include lecture, role playing, repair order writing, interactive computer based assignments, use of dealer management software, site visits and demonstration of knowledge in a simulated work environment. (CSU)

AT 209 C Toyota Portfolio TPORT**1 Unit****Prerequisite(s):** AT 109 C with a grade of C or better or consent of Toyota T-TEN Coordinator

Term hours: 18 lecture. This course monitors the progress of T-TEN students through the program. This course will also prepare the student for placement in the dealership internship. Course may be taken four times for credit and must be taken every semester the student is in the T-TEN program. (CSU)

AT 210 C T-TEN Internal Combustion Engines and Alternative Fuels (formerly AT 121 C)**6 Units****Prerequisite(s):** AT 109 C and AT 260 C with a grade of C or better

Term hours: 81 lecture and 81 laboratory. This course introduces engine designs and concepts used in current automotive applications by Toyota Motor Sales. Extensive lab experience will be provided. Preparation for ASE A1 will be covered. \$40 Materials Fee payable at registration. (CSU)

AT 213 C Toyota Portfolio II TPORT II**1 Unit**

Term hours: 18 lecture. This course monitors the progress of T-TEN students through the program. This course focuses on their second year in the program with an emphasis on successful internship completion. This course must be taken in both the Fall and Spring semester the student is in year two of the T-TEN program. Course may be taken three times for credit. (CSU).

AT 215 C ASE Test Prep - Heating and Air Conditioning**0.5 Units**

Term hours: 8-9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) heating and air conditioning certification test. This course will review the various task lists which detail the knowledge that a technician must have to pass the ASE heating and air conditioning certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of automotive climate control systems. (CSU)

AT 223 C T-TEN Transmissions, Driveline and Electric Drivetrain (formerly AT 141 C)**12 Units****Prerequisite(s):** AT 110 C or AT 109 C and AT 260 C with a grade of C or better

Term hours: 162 lecture and 162 laboratory. This course will include operation principles, design, repair, rebuild and service procedures for manual transmissions, automatic transmissions, clutch assemblies, drive lines, final drive axles and trans-axles units. Demonstrated lectures and shop laboratory work on drivetrain components will be covered with emphasis on procedures to industry standards. Practical application will be under simulated shop conditions on "live" and "lab" vehicles. Preparation for ASE certification will be covered. \$30 Materials Fee - Payable at Registration (CSU)

AT 225 C ASE Test Prep - Engine Repair**0.5 Units**

Term hours: 9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) engine repair certification test. This course will review the various task lists which detail the knowledge that a technician must have to pass the ASE engine repair certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of the automotive engine. (CSU)

AT 230 C Advanced Alignment and Chassis**4 Units**

Term hours: 54 lecture and 54 laboratory. This course covers advanced alignment concepts. Custom suspension theory and service is explored with practical laboratory experience included. \$30 Materials Fee - Payable at Registration. (CSU)

AT 235 C ASE Test Prep - Brakes**0.5 Units**

Term hours: 9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) brake certification test. This course will review the various task lists which detail the knowledge that a technician must have to pass the ASE brake certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of the automotive brake systems. (CSU)

AT 236 C ASE Test Prep - Steering/Suspension**0.5 Units**

Term hours: 9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) steering and suspensions certification tests. This course will review the various task lists which detail the knowledge that a technician must have to pass the ASE steering and suspension certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of the automotive steering and suspension systems. (CSU)

AT 245 C ASE Test Prep - Manual Drivetrain**0.5 Units**

Term hours: 9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) manual transmission and drive-train certification tests. This course will review learning objectives as designated by NATEF (National Automotive Technician Educational Foundation) which detail the knowledge that a technician must possess to pass the ASE manual drive-train certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of manual transmissions/transaxles and other drive-train related components and systems. (CSU)

AT 246 C ASE Test Prep-Automatic Trans**0.5 Units**

Term hours: 9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) automatic transmission and transaxle certification test. This course will review the learning objectives as designated by NATEF (National Automotive Technician Educational Foundation) which detail the knowledge that a technician must possess to pass the ASE automatic transmission/transaxle certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of automatic transmissions related components and systems. (CSU)

AT 250 C Advanced Performance and Driveability**4 Units**

Prerequisite(s): Completion of or concurrent enrollment or a grade of C or better in AT 105 C and AT 110 C

Term hours: 48 lecture and 48 laboratory. The course includes advanced principles, design and repair procedures of automotive electrical, ignition and computerized engine management systems, including emission controls. Demonstrated lectures and laboratory work using modern testing equipment, oscilloscopes, dynamometer and other diagnostic equipment are included. Practical application under simulated repair shop conditions on "live" vehicles is an integral part of the course. (CSU)

AT 254 C T-TEN Brakes, Steering, Suspension and Chassis Electronics**12 Units**

Prerequisite(s): AT 110 C or AT 109 C and AT 260 C with a grade of C or better

Term hours 162 lecture and 162 laboratory. This course emphasizes the design, operating principles, service, repair and diagnosis of chassis and brake systems used on current production vehicles. Major topics of study will be wheel alignment procedures, tire and wheel balance, suspension and steering system repair, hydraulics, brake system, and related electronics service and repair. Preparation for ASE (A4 and A5) certification is covered. \$30 materials fee payable at registration. (CSU)

AT 255 C ASE Test Prep - Engine Perf**0.5 Units**

Term hours: 9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) engine performance certification test. This course will review the various task lists which detail the knowledge that a technician must have to pass the ASE engine performance certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of automotive engine. (CSU)

AT 256 C ASE Test Prep - Adv Eng Perf**0.5 Units**

Term hours: 9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) advanced engine performance certification test. This course will review the various task lists which detail the knowledge that a technician must have to pass the ASE advanced engine performance certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of automotive engine control systems. (CSU)

AT 260 C T-TEN Toyota Electrical Systems (formerly AT 112 C)**12 Units**

Prerequisite(s): Completion of AT 109 C with a minimum grade of B and selected as part of the T-TEN cohort based AT 109 C grade point ranking

Term hours: 162 lecture and 162 laboratory. This course emphasizes operating principles, design and repair procedures of automotive electrical/electronic systems. In addition, lighting systems, power windows, power door locks, under dash components, charging systems, starters, batteries, and computerized vehicle networks systems will be covered. Modern test equipment such as scan tools and oscilloscopes will be used. Skill competency development will be simulated under shop conditions on OBD II and newer vehicles. \$10 Materials Fee - Payable at Registration. (CSU)

AT 265 C ASE Test Prep - Electrical**0.5 Units**

Term hours: 9 lecture. This is a review course and is designed to help prepare students to take and pass the ASE (National Institute for Automotive Service Excellence) electrical certification test. This course will review the various task lists which detail the knowledge that a technician must have to pass the ASE electrical certification test. Demonstrated lecture will include instruction concerning theory, operation, diagnosis, and repair of automotive electrical systems. (CSU)

AT 270 C T-TEN Climate Control Systems**4 Units**

Prerequisite(s): Completion of or concurrent enrollment in AT 260 C with a grade of C or better

Term hours: 54 lecture and 54 laboratory. This course emphasizes the acquisition of the practical skills needed to both understand principles of vehicle climate control systems and perform diagnosis and repair. Demonstrated lecture, shop lab simulators and specially prepared Toyota and Lexus vehicles will be used to learn service diagnosis, repair of air conditioning systems including automatic temperature control. Safety and environmental concerns along with CFC recovery, recycling, retrofitting R12 systems to R-134A, R1234 refrigerant and new refrigerant types will be covered. \$25 Material Fees - Payable at Registration. (CSU)

AT 275 C Automotive Service Advisor Internship**1 Unit**

Prerequisite(s): AT 195 C with a grade of C or better

Term hours: 54 laboratory. This course is designed to give the student credit for work experience at a related occupational worksite while being concurrently enrolled in a vocational major. For each unit of credit, a minimum of 75 total hours of worksite hours for paid internships (minimum 60 hours for unpaid internships). This internship allows students to apply knowledge gained in college courses to an actual work setting, sample career choices and improve job-readiness skills. Supplemental reading and course assignments are required. Course may be taken three times for credit. (CSU)

AT 280 C Introduction to Alternative Fuels**4 Units**

Term hours: 54 lecture and 54 laboratory. This is an introductory course in alternative fuels as used in the transportation industry. Various gaseous fuels and vehicle propulsion systems will be discussed. Topics include the theory, design, operation, conversion, light diagnosis, and light repair will be discussed as applicable by the automotive industry. Laboratory activities will emphasize skill competency in vehicle preparation, system maintenance and the diagnosis and repair of alternative fuel vehicles. (CSU)

AT 281 C Introduction to Electric-Hybrid Vehicles**4 Units**

Prerequisite(s): AT 105 C and AT 110 C with a grade of B or better

Term hours: 54 lecture and 54 laboratory. This is an introductory course in electric (EV) and electric/hybrid vehicles as used in the transportation industry. Topics include the theory, design, operation, maintenance, and repair of batteries, motors, controllers, chargers, and regenerative braking systems. Technician safety is also covered. (CSU)

AT 282 C Hybrid Vehicle Maintenance**4 Units**

Prerequisite(s): Completion of or concurrent enrollment in AT 281 C

Term hours: 54 lecture and 54 laboratory. This course covers hybrid and plug-in hybrid vehicle theory of operation, charging, batteries, maintenance process and procedures as specified by vehicle manufacturers. The course will be taught using lecture, collaborative work groups and lab. (CSU)

AT 283 C T-TEN ICE-HV-EV Performance and Diagnosis**12 Units**

Prerequisite(s): Completion of or concurrent enrollment of AT 109 C and AT 260 C with a grade of C or better

Term hours: 162 lecture and 162 laboratory. This course will include operating principles, design, and repair procedures of the computerized ICE/Hybrid/EV management system and the application of related diagnostic tools and equipment. In addition, alternators, starters, batteries, ignition systems, emission control systems, 5 gas analysis, hybrid electric motor operation and PCM control, EV motor and motor control and scan tool use will be covered. Skill competency development will be under simulated shop conditions on "live" vehicles. Preparation for ASE certification test A8 will be covered. \$30 Materials Fee - Payable at Registration (CSU)

AT 295 C Automotive Internship**1-4 Units**

Term hours: 18 lecture and 240 laboratory depending on units attempted. This course is designed to give the student credit for work experience at a related occupational worksite, while being concurrently enrolled in a vocational major. For each unit of credit, a minimum of 75 total hours of worksite hours for paid internships (minimum 60 hours for unpaid internships). The internship allows students to apply knowledge gained in college courses to an actual work setting, sample career choices and improve job-readiness skills. Supplemental reading and course assignments required. May be taken for credit 1-4 times. Open Entry/Open Exit. Pass/No Pass or Pass/No Pass/Letter Grade Option. (CSU)

AT 296 C T-TEN Automotive Internship I**1 Unit**

Prerequisite(s): Completion of or concurrent enrollment in the T-TEN coursework for Year One of the program (T-TEN Electrical in the Fall and T-TEN Brake/Chassis in the Spring)

Term hours: 54 laboratory. This course offers practical work experience in an approved aviation and travel-related industry for students in the Aviation and Travel Careers program. This course is designed to provide vocational learning opportunities throughout employment. Pass/No Pass/Letter Grade option. Course may be taken four times for credit. (CSU)

AT 297 C T-TEN Automotive Internship II**1 Unit**

Prerequisite(s): Completion of or concurrent enrollment in the T-TEN coursework for year one of the program (T-TEN Driveline in the Fall and T-TEN ICE-EV-Hybrid in the Spring)

Term hours: 54 laboratory. This course supports practical work experience for students employed at a Toyota or Lexus dealer as an entry level. Pass/No Pass/Letter Grade option. (CSU)

Aviation and Travel Careers (ATC)

ATC 050 C Special Projects**2 Units**

Advisory: Students must be concurrently enrolled in another ATC course

Term hours: 18 lecture and 54 laboratory TBA. This course provides students with opportunities to practice aviation and travel related principles and procedures in practical situations and simulations to develop industry related skills.

ATC 100 C Introduction to Aviation**3 Units**

Term hours: 54 lecture. This course introduces students to the development of aviation and its importance in the economy. Special emphasis is placed on the history of aviation, the airlines, and general aviation. (CSU)

ATC 101 C Introduction to Travel Careers**3 Units**

Term hours: 54 lecture. This course introduces students to career opportunities in the aviation and travel industries. Students will learn how to research and apply for jobs. The fundamentals of traveling will also be reviewed such as passport, visa, security, travel health and insurance. Students will prepare a personalized career project. (CSU)

ATC 102 C Career Communication and Portfolio**3 Units**

Term hours: 54 lecture. In this course, students will develop their business communication skills in the development of a career portfolio, including a resume, cover letter, letters of recommendations, and work samples consistent with professional business conventions. Students will learn online application strategies, employment test-taking tips, and behavioral-based interviewing skills. (CSU)

ATC 103 C Aviation and Travel Open Lab**0.5-3 Units****Advisory:** Enrolled in another ATC course

Term hours: 27 to 162 laboratory depending on units attempted. This open-entry, open-exit course with flexible hours and variable units provides students enrolled in an Aviation & Travel Careers course with the equipment and resources to allow self-paced instruction and/or practice in core competencies. Twenty-four (24) hours are required for each .5 unit. May be taken for credit 3 times. Open Entry/Open Exit. \$5.00 Materials Fee - Payable at Registration. (CSU)

ATC 104 C Air Transportation**3 Units**

Term hours: 54 lecture. This course presents the development and current status of the air transportation industry, including aircraft types, airport facilities, State and Federal regulations, security issues, economic challenges, career opportunities, and the organization and function of the FAA, NTSB, IATA and ICAO. (CSU)

ATC 112 C Homeland Security**3 Units**

Term hours: 54 lecture. This course is an introductory study of domestic and international threats of terrorism. It examines the concepts, definitions, and contemporary issues of modern terrorism. The course includes law enforcement issues for first-responders relating to terrorism, particularly with regard to Homeland Protection and counter terrorists' measures. (CSU)

ATC 116 C Aviation and Transportation Security**3 Units**

Term hours: 54 lecture. This course is an introductory study of domestic and international airport and transportation security issues. It includes the Patriot Act and changing laws relating to airport and transportation security. The course will present and analyze the current status of aviation law pertaining to terrorism, air rage, search and seizure protections and impending changes to the nation's transportation industry. (CSU)

ATC 118 C Disaster Preparedness Response**3 Units**

Term hours: 54 lecture. This course provides students with an awareness of natural and man-made incidents which result in catastrophic loss. Disaster scenarios will be examined from the perspective of preparedness, response and clean-up. Federal, state and local response preparedness programs will be a focus, including FEMA. Students will take part in simulated incidents, including safety and security for large-scale events. State and national incident command systems, S.E.M.S. and N.I.M.S., will be taught so as to familiarize the student to police and fire responses. (CSU) (UC)

ATC 123 C Travel Sales and Tour Operations**3 Units**

Term hours: 54 lecture. In this course, students will learn the essentials of travel sales and tour operations, including the latest trends, itinerary planning, and the technologies available to travel/tourism consultants in the leisure, recreational, and corporate travel markets. (CSU)

ATC 126 C Travel Management**3 Units**

Term hours: 54 lecture. This course is a study of management practices in the airline and travel/tourism industries, including ARC requirements, location and staffing, sales reports and agency accounting. Travel markets, product lines, marketing techniques, advertising, and promotions are explored. Techniques for personal and telephone selling and guidelines for handling job stress, sales, and client crises are included. Students will learn supervisory and leadership strategies. (CSU)

ATC 132 C Private Pilot**4 Units**

Term hours: 54 lecture and 54 laboratory. This course provides students with an introduction to basic principles of aviation, meteorology, navigation, radio communication and Federal Aviation Regulations to qualify the student for the FAA Knowledge Examination for the Private Pilot Certificate and meets the FAA requirements for ground training. Pass/No Pass/Letter Grade Option. (CSU)

ATC 136 C Air Navigation**3 Units**

Advisory: Concurrent enrollment in, or completion of, ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term hours: 54 lecture. This course is a study of pilotage, dead reckoning, and radio navigation techniques; solution and application of navigation problems. This course meets partial fulfillment of the requirements of the FAA for ground training. (CSU)

ATC 140 C Meteorology**3 Units**

Advisory: Completion of or concurrent enrollment in ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term hours: 54 lecture. This is a course of study of weather recognition, icing, fog, fronts, clouds, weather maps and symbols, forecasting pressure patterns, wind systems, temperature-humidity-dew point relationships, precipitation, with emphasis on the practical application of this knowledge to safe flying practices. The services and assistance available from the U.S. Weather Bureau will be highlighted. The course meets the Meteorology requirements of the FAA for ground training. (CSU)

ATC 144 C Aircraft and Engines**3 Units**

Advisory: Concurrent enrollment in, or completion of, ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term hours: 54 lecture. This course is a study of the theory of flight, aircraft design, construction, operation limitations, repair and maintenance, maintenance records and aircraft accessories. Engine study includes principles of internal combustion engines, engine design and construction, fuel, lubrication and cooling systems, propellers, trouble shooting and preventive maintenance. This course meets partial fulfillment of the requirements of the FAA for ground training. (CSU)

ATC 160 C UAS Drone Basic**3 Units**

Term hours: 54 lecture. In this course, students prepare to meet the Federal Aviation Administration requirements for certification to operate Unmanned Aircraft Vehicles (UAVs) under 55 pounds in commercial operations. Emphasizes the safety, legal, and ethical requirements of operation in the public, civil, commercial and military settings. Includes core technologies including optics, sensors, power plants, control systems and communication technologies. (CSU)

ATC 161 C UAS Drone Flight Lab 1**1 Unit**

Advisory: Concurrent enrollment or completion of ATC 160 C

Term hours: 54 laboratory. Hands-on flight simulation activities to develop, practice, and optimize essential Unmanned Aircraft Systems pilot flight skills. Flight time in the approved ground trainers may be applied toward requirements for both attaining and maintaining flight ratings. (CSU)

ATC 162 C UAS Drone Basic Flight**2 Units**

Advisory: Completion of or concurrent enrollment in ATC 160 C and ATC 161 C

Term hours: 27 lecture and 27 laboratory. Flight time in the approved UAS Drone aircraft may be applied toward requirements for both attaining and maintaining flight ratings. (CSU)

ATC 174 C Destinations- Americas and Europe**3 Units**

Term hours: 54 lecture. This course introduces students to world geography from a travel and tourism perspective. Students will learn about domestic and international travel considerations including itineraries, currencies, travel documents, customs, language, health requirements, and time considerations for locations throughout the Americas and Europe. (CSU)

ATC 175 C Destinations Africa and Pacific**3 Units**

Term hours: 54 lecture. This course continues the study of world geography from a travel and tourism perspective. Students will examine international travel considerations including itineraries, currencies, travel documents, customs, language, health requirements, and time considerations for the following locations: Africa, the Middle East, Asia, and the Pacific Islands. (CSU)

ATC 180 C Tourism and Conference Management**3 Units**

Term hours: 54 lecture. This course is an introductory study of meeting, convention, and event planning. Students will learn industry terminology, types of events and venues, needs assessments, program and budget development, and project coordination. (CSU)

ATC 182 C Cultural Tourism**3 Units**

Advisory: Eligibility for College Writing or the equivalent writing skills

Term hours: 54 lecture. This course examines the implications of cultural tourism in the United States. The course will consider the struggle of people to preserve their cultural identity relative to the role of the U. S. tourism industry in protecting cultural heritage, resources, and sites. The course promotes multicultural awareness, hospitality, and sensitivity as a means of recognizing others and minimizing the exploitation of their culture. The course establishes a learning environment encouraging critical thinking, cultural humility, and respect for people of diverse backgrounds and experiences. The course explores the complexities and challenges of U.S. policy making and preservation in cultural tourism development. (CSU,AA GE).

ATC 183 C Customer Care: Airline/Travel**3 Units**

Term hours: 54 lecture. This course examines the priority of customer service and satisfaction in the competitive airline industry. Topics include the safety regulations and service standards of the Federal Aviation Administration, the Department of Transportation, and airlines themselves. Students will study these standards in relation to current performance, public opinion, and service ideology. Students will also investigate how airlines differentiate their service to be competitive in a particular market niche. (CSU)

ATC 189 C Flight Training Device - Introduction**0.5 Units**

Term Hours: 27 laboratory. Students will receive a hands-on introduction to a PC-based Flight Training Device and become familiar with the fundamentals of flight, flight terminology, flight controls, and instrument interpretations. Pass/No Pass/Letter Grade Option. (CSU)

ATC 190 C Flight Training-Private Pilot**2 Units**

Prerequisite(s): Students must already possess and provide substantiation of an FAA Private Pilot Certificate or concurrent enrollment in an approved flight training program working toward an FAA Private Pilot Certificate, and completion of or concurrent enrollment in at least 3 units of ATC (132 or above) with a "grade of C or better"

Term hours: 108 laboratory TBA Hours as required by the FAA. Students who have earned, or are enrolled in an approved flight school and will earn, the FAA Private Pilot Certificate may be granted college credit consistent with the Credit by Examination requirements published in the catalog. Pass/No Pass/Letter Grade Option (CSU)

ATC 192 C Airline Reservations - SABRE**3 Units**

Term hours: 36 lecture and 54 laboratory. This course is an introduction to SABRE, the computer reservations system used by major airlines and some travel consultants. Students will learn how to build PNR's (passenger name records), quote fares, and calculate prices through hands-on applications on computers. \$4.00 Material Fee-Payable at Registration. (CSU)

ATC 193 C Flight Training-Flight Instructor**1-5 Units**

Prerequisite(s): Students must provide substantiation of an FAA Flight Instructor Rating, or concurrent enrollment in an approved flight training program working toward an FAA Flight Instructor Rating, and completion of or concurrent enrollment in at least 3 units of ATC (132 or above) with a grade of C or better

Term hours: 54-270 Laboratory TBA Hours as required by FAA. Students who have earned, or are enrolled in an approved flight school and will earn, an FAA Instructor Rating, may be granted college credit as follows: One unit of credit may be granted for each of the following Flight Instructor Certificates or Ratings: Airplane Single Engine, Airplane Multi-engine, Rotorcraft, Glider and Instrument. Credit may be granted by meeting the above prerequisites and the Credit by Examination procedures as published in this catalog. Pass/No Pass/Letter Grade Option. (CSU)

ATC 194 C Flight Training Instrument Rating (formerly AVIA 194 C)**2 Units**

Prerequisite(s): Completion of or concurrent enrollment: Students must provide substantiation of an FAA Instrument Rating, or concurrent enrollment in an approved flight training program working toward an FAA Instrument Rating, and completion of or concurrent enrollment in at least 3 units of ATC (132 or above) with a grade of C or better

Term hours: 108 laboratory TBA Hours as required by FAA. Students who have earned, or are enrolled in an approved flight school and will earn, an FAA Instrument Rating on their Pilot Certificate may be granted college credit by meeting the above prerequisites and the Credit by Examination requirements as published in the current Cypress Catalog. Pass/No Pass/Letter Grade Option. (CSU)

ATC 195 C Flight Training Commercial Pilot**2 Units**

Prerequisite(s): Completion of or concurrent enrollment Students must provide substantiation of an FAA Commercial Pilot Certificate, or concurrent enrollment in an approved flight training program working toward an FAA Commercial Pilot Certificate, and completion of or concurrent enrollment in at least 3 units of ATC (132 or above) with a grade of C or better

Term hours: 108 laboratory TBA hours as required by FAA. Students who have earned, or are enrolled in an approved flight school and will earn, an FAA Commercial Pilot Certificate may be granted college credit by meeting the above prerequisites and the Credit by Examination requirements as published in the current Cypress Catalog. Pass/No Pass/Letter Grade Option. (CSU)

ATC 196 C Flight Simulator Private Pilot**2 Units**

Advisory: Concurrent enrollment in, or completion of, ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term Hours: 27 lecture and 27 laboratory. In this course, students will participate in hands-on flight simulation activities to develop, practice, and optimize essential private pilot flight skills. Flight time in the approved ground trainers may be applied toward requirements for both attaining and maintaining flight ratings. (CSU)

ATC 197 C Flight Simulator Instrument**2 Units**

Advisory: Completion of or concurrent enrollment in ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term Hours: 27 lecture and 27 laboratory. In this course, students will participate in hands-on flight simulation activities to develop, practice, and optimize essential instrument related flight skills. Flight time in the approved Flight Training Devices may be applied toward requirements for both attaining and maintaining flight ratings. Pass/No Pass or Letter Grade Option. (CSU)

ATC 198 C Flight Simulator Commercial**2 Units**

Advisory: Completion of or concurrent enrollment in ATC 132 C or completion of FAA Private Pilot Certificate and ATC 196 C and ATC 197 C, or the equivalent

Term hours: 27 lecture and 27 laboratory. In this course, students will participate in hands-on flight simulation activities to develop, practice, and optimize essential commercial flight skills. Flight time in the approved Flight Training Devices (FTDs) may be applied toward requirements for both attaining and maintaining flight ratings. Pass/No Pass or Letter Grade Option. (CSU)

ATC 199 C Flight Simulator Instructor**2 Units**

Advisory: Completion of or concurrent enrollment in ATC 132 C or completion of FAA Private Pilot Certificate and ATC 196 C, ATC 197 C, and 198 C

Term hours: 27 lecture and 27 laboratory. In this course, students will participate in hands-on flight simulation activities to develop, practice, and optimize essential instructor flight skills. Flight time in the approved Flight Training Devices (FTDs) may be applied toward requirements for both attaining and maintaining flight ratings. (CSU)

ATC 210 C Cabin Safety Simulation**0.5 Units**

Advisory: ATC 270 C or ATC 274 C

Term hours: 9 lecture. In this course, students will participate in an aircraft emergency evacuation in a cabin simulator at the Long Beach Airport. A required 6-hour preparatory class will be held on campus and the remaining 3 hours will be delivered at the airport. Students will be provided a certificate upon successful completion. (CSU)

ATC 212 C Airline and Aviation Management**3 Units**

Term Hours: 54 lecture. In this course, students will study the application of management principles to the airlines and general aviation. Major areas of study include planning, organization, regulations, manpower management, facilities, marketing, budget, safety, security, and supervision strategies. (CSU)

ATC 220 C Advanced Air Navigation**2 Units**

Prerequisite(s): Completion of or concurrent enrollment in ATC 136 C with a grade of C or better

Term Hours: 36 lecture. This is a course stressing advanced navigation procedures and principles including radio and electronic navigation aids, glass cockpit, flight management systems, international flight procedures, (ICAO, worldwide operations), Oceanic (Class II Navigation) and State (country) specific differences from United States FAA standards. Recency and other measures of readiness (CSU)

ATC 223 C Cruise Line Sales and Operations**3 Units**

Term hours: 54 lecture. This course provides students with a practical, working knowledge of the cruise industry, including its operation, terminology, associations, and resources. Students will learn how to differentiate, price, market, and sell cruises. (CSU)

ATC 232 C Instrument Rating**3 Units**

Advisory: Completion of or concurrent enrollment in ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term hours: 54 lecture. This course is designed to prepare or requalify the student in instrument flight procedures and techniques, including air traffic control, publications and regulations. This course reviews aeronautical ground training required to pass the FAA Instrument Pilot, Instrument Flight Instructor and Instrument Ground Instructor Knowledge Examinations. Flight time in a Flight Training Device is available by concurrent enrollment in ATC 132 C. Credit by Examination procedures as published in this catalog. (CSU)

ATC 236 C Aerodynamics**3 Units**

Advisory: Concurrent enrollment in, or completion of, ATC 132 C or completion of FAA Private Pilot Certificate

Term Hours: 54 lecture. In this course, students will learn the basic principles of aerodynamics, including airfoil shapes and characteristics, viscous effects, propellers, and aircraft performance viewed in terms of the basic laws of physics, aircraft limitations and Federal Aviation Regulations. Emphasis will be on physical aspects of flight time. (CSU)

ATC 240 C Commercial Pilot (formerly Commercial Pilot Seminar)**3 Units**

Advisory: Concurrent enrollment in, or completion of, ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term hours: 54 lecture. This course prepares a pilot for the FAA Commercial Pilot license. The course covers current Federal Aviation Regulations, Government Publications, transport aircraft systems & performance, multi-engine procedures, loading, weight and balance & commercial operations. This course will prepare the pilot with the aeronautical knowledge required to pass the FAA Commercial Pilot knowledge examination. This course meets the FAA requirements for ground training. Flight Training Device flight time is available by concurrent enrollment in ATC 196 C or ATC 198 C. Pass/No Pass/Letter Grade Option. (CSU)

ATC 244 C Aviation Instructor**3 Units**

Prerequisite(s): ATC 240 C

Term Hours: 18 lecture and 108 laboratory. This course is a study of principles of learning and teaching, elements of practical educational psychology, and a review of current trends and techniques in aviation instruction. Class participation in lesson preparation is included. This course meets fulfillment of the requirements of the FAA for ground instruction in preparation for the FAA Fundamentals of Instruction, Ground Instructor and Flight Instructor knowledge exams. Recency and other measures of readiness. (CSU)

ATC 250 C Turbine Simulator Observation**0.5 Units**

Advisory: Must be enrolled in any other ATC course

Term hours: 9 Lecture. Students will be introduced to a full-motion turbine aircraft flight deck, including familiarization with the fundamentals of flight, flight deck controls, instrument interpretation, and aircraft systems. A required 3-hour preparatory class will be held on campus, and the remaining 6 hours will be delivered at FlightSafety International with a tour of the professional aviation pilot training facility. Students will need to supply a picture ID and an approved background check before entrance to Flight Safety International. Fee may be required, subject to change by facility. (CSU).

ATC 255 C Turbine Simulator Orientation**0.5 Units**

Advisory: Completion of, or concurrent enrollment in, ATC 250 C Turbine Simulator Observation

Term Hours: 9 lecture. In this course, students will practice the fundamentals of flight, utilizing the flight deck's controls, instruments, and basic systems in a full-motion turbine flight simulator. A required 3-hour preparatory class will be held on campus, and the remaining 6 hours will be delivered at FlightSafety International with a tour of the professional aviation pilot training facility. Students will need to supply a picture ID and an approved background check before entrance to FlightSafety International. Fee may be required, subject to change by facility. (CSU)

ATC 256 C Crew Resource Management**3 Units**

Term hours: 54 lecture. This course will examine the concepts of Crew Resource Management (CRM) and Human Factors and Aeronautical Decision Making currently practiced in commercial and corporate aviation. The role of crew supervision and training, leadership styles and management oversight will be studied. Single and multi-crew aircraft situations will be studied. Human factors research and aircraft accident investigations will be examined. (CSU)

ATC 260 C UAS Drone Advanced (formerly UAV-UAS Advanced)**3 Units**

Advisory: Recommend completion of, or concurrent enrollment in, ATC 160 C, ATC 161 C, and ATC 162 C or the equivalent

Term hours: 54 lecture. This course examines the core technologies of unmanned aircraft systems (UAS), including the design concepts, power plants, control systems, and communication technologies. Explores cross-country navigation, flight planning, payload, sensors, and autonomous operations. Emphasizes the ethical, legal, and safety related requirements of operation in the public, civil, commercial and military settings. (CSU)

ATC 261 C UAS Drone Advanced Simulator**2 Units**

Advisory: Concurrent enrollment in or completion of ATC 260 C

Term hours: 27 lecture and 27 laboratory. This advanced UAS simulator course provides hands-on flight simulation activities to improve, practice, and optimize essential Unmanned Aircraft Systems pilot flight skills. Flight time in the approved ground trainers may be applied toward requirements for both attaining and maintaining flight ratings. (CSU)

ATC 262 C UAS Drone Advanced Flight**2 Units**

Advisory: Concurrent enrollment or completion of ATC 260 C and ATC 261 C

Term hours: 27 lecture and 27 laboratory. This course offers advanced UAS drone flight activities to practice and optimize essential Unmanned Aircraft Systems skills. Flight time in the approved UAS drone aircraft may be applied toward requirements for both attaining and maintaining flight ratings. (CSU)

ATC 270 C Airline Operations**3 Units**

Term hours: 54 lecture. This course is designed for students interested in working in the airline industry. Students will learn airline terminology, city codes, the 24-hour clock, airline operations, and industry hiring standards. (CSU)

ATC 271 C Airport Operations**3 Units**

Term hours: 54 lecture. This course provides students with a background in general aviation and commercial airports. Students will learn about airport operations, including terminology, ground and baggage handling, terminal and airfield operations, hazardous material, aircraft emergencies, ground access, and FAR Part 139. (CSU)

ATC 274 C Passenger Services and Safety**3 Units**

Term hours: 54 lecture. In this course, students will learn about passenger related service and safety procedures for the airline industry, including first aid, CPR, fire-fighting, and conflict resolution. (CSU)

ATC 278 C Public Relations**3 Units**

Term hours: 54 lecture. This course introduces students to the public relations concepts and practices in the airline and travel industries. Students will examine promotional campaigns and develop their own public relations proposal with emphasis on practical applications. (CSU)

ATC 295 C Aviation and Travel Internship**3 Units**

Prerequisite(s): Completion of the Basic Airline Customer Services Certificate; or Basic Flight Attendant Certificate; or Basic Travel/Tourism Certificate Term hours: 18 lecture and 108 work experience education This course offers practical work experience in an approved aviation and travel related industry for the student(s) in the Aviation and Travel Careers program. This course is designed to provide vocational learning opportunities throughout employment. (CSU)

ATC 296 C Flight Simulator Private Pilot - Advanced**2 Units**

Advisory: Completion of or concurrent enrollment in ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term hours: 27 lecture and 27 laboratory. In this course, students will participate in hands-on flight simulation activities to develop, practice, and optimize essential private pilot flight skills. Flight time in the approved ground trainers may be applied toward requirements for both attaining and maintaining flight ratings. (CSU)

ATC 297 C Flight Simulator Instrument Pilot - Advanced**2 Units**

Advisory: Completion of or concurrent enrollment in ATC 132 C, or completion of FAA Private Pilot Certificate, or taking flight lessons at a local flight school

Term hours: 27 lecture and 27 laboratory. In this course, students will participate in hands-on flight simulation activities to develop, practice, and optimize essential instrument related flight skills. Flight time in the approved Flight Training Devices may be applied toward requirements for both attaining and maintaining flight ratings. Pass/No Pass or Letter Grade option. (CSU)

ATC 298 C Aviation and Travel Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 9-216 lecture and/or 9-1620 laboratory depending on units attempted. This course is for students who wish to increase their knowledge of the aviation and travel industry. Various topics will be offered. Unit credit may range from 1/2 to 12 units in any given semester. Consult the class schedule to verify credit for a particular semester. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration. (CSU)

ATC 299 C Independent Study**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 8-36 lecture. This course is designed for those students who wish to increase their knowledge of the airline and/or travel industry through professionally directed independent study or research. (CSU)

Biology (BIOL)

BIOL 101 C General Biology**4 Units**

Advisory: High school chemistry or CHEM 101C or CHEM 107C are recommended

Term Hours: 54 lecture and 54 laboratory. This course is a survey of modern biological concepts from the areas of molecular, cellular, organismic, and population biology, stressing evolution as the central theme of modern biology. The study of metabolism and biodiversity is also emphasized. This is a general education lecture/laboratory course in the biological sciences. This course will satisfy the Biological Sciences portion of the state college and university general education requirement. Duplicate credit not granted for BIOL 101HC. No credit if taken after BIOL 174 C, BIOL 175 C, or BIOL 177 C. (CSU/UC Credit Limitation, AA GE, CalGETC)

BIOL 101HC Honors General Biology**4 Units**

Advisory: High school chemistry or CHEM 101 C or CHEM 107 C are recommended

Term Hours: 54 lecture and 54 laboratory. This course is an enhanced survey of modern biological concepts for honors students. The course will include concepts from the areas of molecular, cellular, organismic, and population biology, stressing evolution as the central theme of modern biology. The study of metabolism and biodiversity is also emphasized. Written essays pertaining to current issues in biology will be paramount. The class will be conducted as a seminar and will require a significant research project that uses correct documentation skills. This course will satisfy the Biological Sciences portion of the state college and university general education requirement. Duplicate credit not granted for BIOL 101 C. No credit if taken after BIOL 174 C, BIOL 175 C, or BIOL 177. (UC Credit Limitation/CSU, AA GE, CalGETC)

BIOL 102 C Human Biology**3 Units**

Term hours: 54 lecture. This course is a study of modern biological concepts presented in a human context. The concepts will include human evolution, anatomy, physiology, genetics, population biology, and ecological principles. Included in the course will be discussion on current topics on environmental and public health issues as they relate to the human condition. Not open to students with credit in BIOL 101 C or BIOL 101HC. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC)

BIOL 103 C Environmental Science**3 Units**

Term hours: 54 lecture. The course is a study of the ecological principles which form the basis for understanding human existence in relation to environmental quality. The topics include development of environmental policy; an overview of basic biological concepts; the function of natural systems; and an examination of the impact of humans on the environment. Explorations of environmental issues will also include the pursuit of sustainable solutions. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC)(C-ID: ENVS 100)

BIOL 122 C Marine Biology**4 Units**

Term hours: 54 lecture and 54 laboratory. This is a survey of the natural history and biology of marine organisms, and includes an introduction to physical and chemical oceanography, marine ecology, and energy flow within the marine environment, as well as some basic biological concepts using live ecosystems as examples. Pollution and conservation of the marine environment will also be considered. The course satisfies the biological science with a laboratory transfer requirement of universities and state colleges. A single optional boat field trip may be scheduled with a charter cost not to exceed \$30.00. Other optional no-cost field trips will be scheduled. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC)

BIOL 125 C Island Biology**2 Units**

Advisory: BIOL 122 C

Term hours: 27 lecture and 36 laboratory. This course is designed as an introduction to the nature and diversity of island life. It offers the student an opportunity to study marine communities with an emphasis on community interactions. The course will also include a consideration of marine wilderness and conservation problems as well as biological processes as they occur on islands. One or more weekend field trips for snorkeling, free diving and field study will be an integral part of the course. A boat charter fee not to exceed \$50 may be required for field trips to the islands. Pass/No Pass/Letter Grade Option. (CSU)

BIOL 135AC Principles of Biology 1: Cell and Molecular Biology**5 Units**

Prerequisite(s): Completion of CHEM 107C with a minimum grade of "C" or better or a passing score on the chemistry proficiency exam

Advisory: Eligibility for college-level composition or appropriate placement
Term hours: 54 lecture and 108 laboratory. This is the first course within the biology majors AS-T degree. This course covers principles and applications of prokaryotic and eukaryotic cell structure and function, biological molecules, homeostasis, cell reproduction and its controls, molecular genetics, classical/Mendelian genetics, cell metabolism including photosynthesis and respiration, and cellular communication. Representative topics to be included are: biomolecules, cell structure and metabolism, cell growth and reproduction, cell signaling pathways and basic Mendelian and molecular genetics. This course will meet the preparation needs of students transferring to upper division biology study. Duplicate credit not granted for BIOL 174 C. Cost of field trips not to exceed \$30.00. (UC/CSU, AA GE, CalGETC, C-ID: BIOL 190, C-ID: BIOL 135S=BIOL 135AC+BIOL 135BC)).

BIOL 135BC Principles of Biology 2: Organismal Biology**5 Units**

Prerequisite(s): BIOL 174C with a grade of C or better or completion of BIOL 135AC with a grade of C or better or equivalent course with a grade of C or better

Term hours: 54 lecture and 108 laboratory. This is the second course within the biology majors AS-T degree. This course is designed to introduce students to the concepts of evolution, anatomy, physiology, and ecology. A focus of the course will be the scientific method of investigation. This course is designed for science majors in transfer programs to upper-division study of biology. Duplicate credit not granted for BIOL 175C or BIOL 276C. Cost of field trips not to exceed \$30. (CSU/UC, AA GE, CalGETC, C-ID: BIOL 140, C-ID: BIOL 135S=BIOL 135AC + BIOL 135BC).

BIOL 160 C Fundamentals of Human Anatomy and Physiology**3 Units**

Term hours: 54 lecture. This is a one-semester course that includes a systematic coverage of fundamental physical/chemical principles, basic biological concepts, and fundamentals of anatomy and physiology. The course is designed for various allied health programs (psychiatric technician, court reporting, etc.) or others interested in introductory level human anatomy and physiology. Pass/No Pass/Letter Grade Option. (UC/CSU, CalGETC, AA GE).

BIOL 210 C Anatomy and Physiology**5 Units**

Advisory: BIOL 160 C, or one semester each of college biology/chemistry, or one year each of high school biology/chemistry completed within the last five years with grades of C or better

Term hours: 54 lecture and 108 laboratory. The course includes a study of the normal structure and function of the human body using mammalian specimens as examples. Selected physiological exercises are included which often utilize the student's own body function. This course is designed for students pursuing the health professions (diagnostic medical sonography, radiologic technology, health information technology, mortuary science, respiratory therapy, etc.). Not open to students with credit in BIOL 240 C. Pass/No Pass or Letter Grade option. (CSU/UC, AA GE, CalGETC)

BIOL 220 C Medical Microbiology**4 Units****Prerequisite(s):** BIOL 210 C or BIOL 231 C with a grade of C or better

Term hours: 54 lecture and 54 laboratory. This course is a study of etiology, transmission, pathogenesis, diagnosis, treatment, and prevention of infectious disease. Special attention is given to the topics of immunology and chemotherapy. Laboratory activities place emphasis on gaining practicum experience and clinical perspective through application of aseptic techniques, microscopy and physiological testing of microorganisms. This course is recommended for students of Nursing (RN), Dental Hygiene, Medical Records, and Baccalaureate degree medical or Public Health programs. Recommended background is one year each, high school chemistry/biology, or one semester each, college chemistry and biology. Pass/No Pass or Letter Grade Option (CSU/UC, AA GE, CalGETC)

BIOL 231 C General Human Anatomy**4 Units**

Prerequisite(s): Intermediate Algebra or eligibility for STAT C1000 (MATH 120 C) or MATH 120PC and eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Advisory: High School Biology and Chemistry with minimum grades of "C" or BIOL 101 C or BIOL 160 C

Term hours: 54 lecture and 54 laboratory. This course presents a logical analysis of body tissues, organs, and systems. It stresses the microscopic, developmental, and gross anatomy of mammals, with special emphasis on human anatomy. Special attention is given to pathological as well as normal conditions. The three hour laboratory includes the dissection and study of fresh and preserved specimens and models. This course is designed primarily for physical education and allied health majors. High school biology and chemistry, or equivalent is recommended background. Students are encouraged to take BIOL 101 C and BIOL 160 C if they have no previous science background. Pass/No Pass/Letter Grade Option (UC/CSU, AA GE, CalGETC, C-ID BIOL 110B).

BIOL 241 C General Human Physiology**4 Units****Prerequisite(s):** BIOL 210 C or BIOL 231 C with a grade of C or better**Advisory:** CHEM 101 C

Term hours: 54 lecture and 54 laboratory. This course is an in depth study of human function. Special attention is given to the abnormal as well as the normal functional state. The laboratory experience includes selected exercises that emphasize the interrelationships between structure and function. It is designed primarily for physical education and allied health programs that require 3 hours of laboratory per week. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC). C-ID: BIOL 120B.

BIOL 277 C Genetics**3 Units****Prerequisite(s):** BIOL 135AC with a grade of C or better

Term hours: 54 lecture. This course presents an introduction to genetics, inheritance and genetic changes that occur over time in individuals and populations. Basic features of the replication and expression of DNA, cell division and gene transmission are considered. Recombination and mutation in diploid organisms are discussed. Concepts of genetic variability and the role of natural selection in the evolution of populations are presented. Cost of field trips not to exceed \$30.00. (AA GE, UC/CSU, CalGETC).

BIOL 278 C Molecular Biology**4 Units****Prerequisite(s):** BIOL 277 C and CHEM 211AC with a grade of C or better

Term hours: 72 lecture. This course is a study of the structure and function of biological molecules; mechanisms of gene expression and regulation, genomics, biotechnology and molecular methods of experimentation and DNA repair. In addition, this course presents the molecular mechanisms of cell signaling pathways as well as errors in these pathways leading to cancer and other disorders. The importance of viral life cycles in understanding basic molecular and cellular processes will be included. Finally, the major biochemical pathways in cells, with an emphasis on the thermodynamic constraints on living systems, will also be studied. (UC/CSU, AA GE, CalGETC)

BIOL 298 C Biology Seminar**0.5-12 Units**

Term hours: 0-12 lecture and 0-36 laboratory depending on units attempted. This seminar is designed to intensify knowledge in a variety of biological topics. They may include lectures, discussions, field excursions, and other activities at the discretion of the instructor. Actual seminar topics will be listed in the class schedule for a particular semester. Pass/No Pass or Letter Grade option. Fees may be required - Payable at Registration. (UC Credit Limitation/CSU)

BIOL 299 C Independent Study for Biology**0.5-2 Units****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: 27-108. This is for biology majors who have demonstrated interest in and capability for increased knowledge of biological and medical sciences through individual study, small group discussion/conference, special laboratory projects, or field research projects. May be taken or credit 4 times. Pass/No Pass/Letter Grade Option (CSU)

Business (BUS)

Division: Business and Computer Information Systems

BUS 055 C Business English**3 Units**

(Formerly MGT 055 C) Term hours: 54 lecture. This course includes instruction in techniques of basic grammar, punctuation, vocabulary, spelling, and capitalization. Emphasis on grammar as used in business communications.

BUS 100 C Introduction to Business**3 Units**

Formerly: MGT 161 C Term hours: 54 lecture. This course provides a survey of the principles and practices of American businesses in a global environment. Subject areas include business organization structure, management, human relations, marketing, accounting, finance, small business operations, and international business. Pass/No Pass/Letter Grade Option.(UC/CSU, AA GE,C-ID: BUS 110).

BUS 101 C Personal Finance**3 Units**

Formerly MGT 101 C Term hours: 54 lecture. This course focuses on the management of personal income and expenses through effective financial planning, budgeting and investing, showing students how to improve their standard of living and build wealth. Pass/No Pass/Letter Grade Option. (CSU)

BUS 103 C Principles of Advertising**3 Units**

Formerly MKT 103 C. Term hours: 54 lecture. This course focuses on advertising and promotion, the print media, copy and layout, radio and television commercials, the Internet and social media, and public relations with an emphasis on what advertising agencies do. (CSU)

BUS 105 C Principles of Retailing**3 Units**

(Formerly MKT 105 C) Term hours: 54 lecture. This course covers the principles of organizing and managing a retailing or E-tailing business, with emphasis on planning, site appeal, merchandise, pricing, and promotion, with an emphasis on customer service techniques. (CSU)

BUS 111 C Business Communications**3 Units**

Prerequisite(s): BUS 055 C Term hours: 54 lecture

(Formerly MGT 111 C) The course includes instruction in the techniques of specific types of business communication media and in the general principles of effective communication. The elements and principles of written and spoken communications are covered with emphasis on the kind of writing and speaking that is conducted throughout a business career. The importance of communication is stressed. Applying skill and ingenuity in the use of the language is encouraged. Pass/No Pass/Letter Grade Option. (CSU)

BUS 143 C Introduction to Legal Research**1 Unit**

(Formerly MGT 143 C) Term hours: 18 lecture. This course provides an introduction to the nature and use of legal reference material with consideration given to a uniform system of citation. An exposure to legal reference material will include constitutions, statutes and codes, executive orders, administrative agency regulations and rulings, treaties, judicial reports, indexes, digests, citators, treatises, looseleaf services, periodicals, encyclopedias, procedure manuals, and form books. Pass/No Pass/Letter Grade Option. (CSU)

BUS 151 C Business Mathematics**3 Units**

(Formerly MGT 151 C) Term hours: 54 lecture. This course is an introduction to the fundamental operation of arithmetic as applied to business problems. Includes problems in simple and compound interest; bank and purchase discounts; payroll computations; sales and property taxes; depreciation; business financial statements; and distribution of ownership and profits. (CSU)

BUS 199 C Management Independent Study**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

(Formerly MGT 199 C) Term hours: The number of hours of scheduled conferences or activity per week will be determined by the instructor. This course is designed for students who wish to gain experience in management activities or to increase knowledge and experience in applied areas of leadership. Students must obtain permission from instructor of subject area they will be working with and will be under direct supervision of that instructor. This course does not meet requirements of management classes. (CSU)

BUS 201 C Small Business Promotion**3 Units**

(Formerly MKT 201 C) Term hours: 54 lecture. This course focuses on the techniques used to promote a small business and develop its marketing strategy. Its emphasis is on creating a marketing plan and devising affordable and effective ways to communicate with customers through media and the Internet, sales promotion, public relations and publicity, brochures, direct mail, and other methods. (CSU)

BUS 205 C Multicultural Markets in U.S.**3 Units**

(Formerly MKT 205 C) Term hours: 54 lecture. This course provides comprehensive coverage of the multicultural marketing environment in the United States, taking into consideration the changing needs and growing influence of ethnic and racial minorities, women, and other groups. It explores the differences and commonalities that exist among groups and the role of businesses in providing goods and services to meet each group's needs. (CSU)

BUS 208 C Principles of Selling**3 Units**

(Formerly MKT 208 C) Term hours: 54 lecture This course includes instruction in the principles and practices of the fundamentals of selling in today's global marketplace. Students will learn to develop the techniques that lead to building customer relationships and to success in the sales profession. The areas of study include buying motives; product knowledge; all phases of the selling process; ways to utilize the Internet; and the many and varied career opportunities in the sales field. Pass/No Pass/Letter Grade Option. (CSU)

BUS 210 C Consumer Behavior**3 Units**

(Formerly MKT 210 C) Term hours: 54 lecture. This course provides a study of consumers and how and why they buy. It covers consumerism, needs and wants, culture, personality, family and lifestyle, and the psychology of advertising. (CSU)

BUS 211 C Writing for Business**3 Units**

Prerequisite(s): ENGL C1000 (ENGL C1000), ENGL C1000H

(ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C with a grade of C or better

(Formerly MGT 211 C) Term hours: 54 lecture. This course is an introduction to the communication skills and knowledge needed in today's organizations. It focuses on the writing process and communication fundamentals; ethical, legal, and multicultural issues; correspondence; employment communication; report writing; presentations; research methods; oral and nonverbal communication and ways to run effective meetings and conferences. Includes computer applications throughout the course. (CSU, C-ID: BUS 115)

BUS 222 C Principles of Marketing**3 Units**

(Formerly MKT 222 C) Term hours: 54 lecture. This course studies the marketing activities required to plan, price, promote, and distribute goods or services to potential customers. The areas of study include market research, consumer behavior, product development, advertising, sales, Internet marketing, wholesaling and retailing, and international trade. (CSU)

BUS 224 C International Marketing**3 Units**

Formerly MKT 224 C Term hours: 54 lecture This course focuses on the opportunities and challenges of conducting business on an international scale. It provides comprehensive coverage of the global marketing environment; importing/exporting; foreign economic, political and legal systems; cultural differences; international finance; marketing research; and business plans. This course is designed to provide students with the latest understanding of global issues, disciplines, competitions and the necessary skills in making strategic decisions based on a global perspective. (CSU)

BUS 240 C Legal Environment of Business**3 Units**

(Formerly MGT 240 C) Term hours: 54 lecture. This course is an introduction to the legal environment in which a business firm operates. Topics include an introduction to the American legal system, contracts, torts, product liability, forms of business organization, trade regulation, labor law and diversity issues, environmental law, and international business law. Pass/No Pass/Letter Grade Option. (CSU, C-ID: BUS 120)

BUS 261 C Small Business Management**3 Units**

(Formerly MGT 261 C) Term hours: 54 lecture. This course applies principles of management to small business enterprises, focusing on planning and start-up, financing, legal form, staffing, location and site evaluation, marketing, and franchising. Pass/No Pass/Letter Grade Option. (CSU)

BUS 262 C Principles of Management**3 Units**

(Formerly MGT 262 C) Term hours: 54 lecture. This course focuses on the responsibilities and roles of managers, the types of decisions they make, and the steps involved in the management process. The major areas of study include the basic management functions of planning, organizing, directing, and controlling work activities. Pass/No Pass/Letter Grade Option. (CSU)

BUS 265 C Social Responsibility of Business**3 Units**

(Formerly MGT 265 C) Term hours: 54 lecture. This course addresses the social responsibilities of businesses beyond making profits, focusing on their obligations to society, their communities, the natural environment, and other groups. The emphasis is on building positive relationships, managing natural resources in sustainable and non-polluting ways, and being responsive and accountable for their actions. Pass/No Pass/Letter Grade Option. (CSU)

BUS 266 C Human Relations in Business**3 Units**

(Formerly MGT 266 C) Term Hours: 54 lecture. This course provides an introduction to the principles of human behavior and relationships in modern organizations. The emphasis is placed on leadership theory, communication; motivation; team-building and the development of a productive work environment. Pass/No Pass/Letter Grade Option. (CSU, AA GE)

BUS 267 C Principles of Supervision**3 Units**

(Formerly MGT 267 C) Term hours: 54 lecture. This course presents the fundamental techniques a supervisor needs to know about motivating people, managing a job, and the development of situational leadership styles. (CSU)

BUS 268 C Human Resources Management**3 Units**

(Formerly MGT 268 C) Term hours: 54 lecture. This course provides theories and practices relating to personnel administration, labor-management relations, employee selection, training, performance appraisal, discharge, hours of work and methods of payment, handling of personnel problems, benefit programs, affirmative action, and equal employment. (CSU)

BUS 295 C Management Internship**3 Units**

(Formerly MGT 295 C) Term hours: 36 lecture and 60 laboratory. This course is designed to give the student credit for work experience at a related occupational worksite, while being concurrently enrolled in a vocational major. For each unit of credit, a minimum of 75 paid or 60 unpaid worksite internship hours is required. The internship allows students to apply knowledge gained in college courses to an actual work setting, sample career choices and improve job-readiness skills. Supplemental reading and course assignments required. Pass/No Pass/Letter Grade Option. (CSU)

BUS 299 C Merch. and MKT-Indep. Study**1-3 Units**

Prerequisite(s): Approved Independent Study Learning Contract
Formerly MKT 299 C Term hours: Lecture/discussion hours vary with credit given. The course is designed for students who wish to expand their knowledge in an area of merchandising/marketing through individual research and study. (CSU)

Career Education (CE)

Division: Career Technical Education**CE 201 C CE Teacher Training 1: Portfolio****3 Units**

Prerequisite(s): Must have completed or be in the process of completing a minimum of 9 units within a discipline that falls within a career education pathway

Please see the careers.cypresscollege.edu website for examples of career education programs. Term hours: 54 lecture. The fundamentals of teaching are explored and practiced in this first of a three-part series of courses to prepare Career Education (CE) teachers (e.g., Automotive Technology, Computer Information Systems, Dental Hygiene, Hotel, Restaurant and Culinary Arts, Media Arts Design, Nursing, etc.) for professional educator opportunities in community colleges, regional occupational, and adult education programs. Both current and aspiring teachers will benefit from this first course, which focuses on portfolio development. Topics also include: equity and inclusiveness; historical, contemporary and critical pedagogies; instructional technologies for varieties of CE subjects; components such as syllabus, lesson plans, learning outcomes and distance education. (CSU)

CE 202 C CE Teacher Training 2: Technologies**3 Units**

Prerequisite(s): Must have completed or be in the process of completing a minimum of 9 units within a discipline that falls within a career education pathway

Please see the careers.cypresscollege.edu website for examples of career education programs. Term hours: 54 lecture. This second course in the Career Education (CE) Teacher Training series prepares educators of technical subjects for community colleges and regional occupational programs. This course includes distance learning with equity-mindedness, student-centeredness alongside the varieties of unique CE subjects (e.g., Automotive Technology, Computer Information Systems, Dental Hygiene, Hotel, Restaurant and Culinary Arts, Media Arts Design, Nursing, etc.). Course work includes extensive training in Distance Education instructional technologies, consideration of one's professional presence on social media, accessibility and copyright laws, and a short history of Career Education. (CSU)

CE 295 C CE Teacher Training 3: Practicum**3 Units**

Prerequisite(s): CE 201 C and CE 202 C with a grade of C or better

Term hours: 54 lecture. This course is the third of a three-part series of courses to prepare Career Education (CE) teachers (e.g., Automotive Technology, Computer Information Systems, Dental Hygiene, Hospitality Management, Media Arts Design, Nursing, etc.) for professional educator opportunities. This course includes a practicum in one's Career Education subject of expertise to professionalize, enhance and/or launch one's career. (CSU)

Chemistry (CHEM)

CHEM 060 C Review of Chemistry Foundation**2 Units**

Advisory: Intermediate Algebra or MATH 141 C or MATH 141PC, or equivalent and CHEM 101 C or CHEM 107 C

Term hours: 36 lecture. This course reviews many of the most important requisite chemistry skills for General Chemistry courses (CHEM 111A C and CHEM 111B C). Designed to support students who require additional practice in mastering these skills after completing prerequisite mathematics and chemistry courses, but prior to enrolling in the first semester of the General Chemistry sequence (CHEM 111A C). Also recommended for students who has completed prerequisite more than two semesters ago to refresh the skills. Non-Degree Credit. Pass/No Pass only.

CHEM 100 C Chemistry for Daily Life**4 Units**

Prerequisite(s): Successful completion of Elementary Algebra or MATH 115 C or MATH 115PC or STAT C1000 (MATH 120 C) or MATH 120PC or equivalent

Term hours: 54 lecture and 54 laboratory. The course is designed for the non-science major seeking a laboratory science. The course will introduce the fundamental concepts of chemistry and their application in daily life. The laboratory section will provide hands-on experience with many of the lecture topics. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE, CalGETC).

CHEM 101 C Chemistry for Health Science Majors I**4.5 Units**

Prerequisite(s): Successful completion of Elementary Algebra or MATH 115 C or MATH 115PC or STAT C1000 (MATH 120 C) or MATH 120PC or equivalent

Term hours: 72 lecture and 36 laboratory. This course is the first semester of a two semester sequence (CHEM 101 C and CHEM 201 C). This course covers the basic principles of atomic structure, chemical bonding, the mole concept, states of matter, solutions, energy, and organic compounds. This course is designed for students majoring in health science. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: CHEM 101).

CHEM 103 C Chemistry and Society**3 Units**

Prerequisite(s): MATH 115 C or MATH 115PC or STAT C1000 (MATH 120 C) or MATH 120PC or equivalent with a minimum grade of C.

Term hours: 54 lecture. This course introduces students to basic concepts of chemistry and requires analyses of the socio-cultural contexts within which chemistry plays a central role. This is a general education course in chemistry and is not recommended for science majors. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE, CalGETC).

CHEM 104 C Physical Science for Teachers**4 Units**

Prerequisite(s): Successful completion of Elementary Algebra or MATH 110 C or MATH 110PC or equivalent

Term hours: 54 lecture and 54 laboratory. This activity-based course introduces students to basic principles of physics and chemistry with emphasis on their practical importance and application in the real world. Some of the topics include: matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. This course is intended for students who want to become elementary school teachers. Duplicate credit not granted for PHSC 104 C. (UC/CSU, AA GE, CalGETC, C-ID: CHEM 140, and PHYS 140)

CHEM 107 C Preparation for General Chemistry**5 Units**

Prerequisite(s): Successful completion of Intermediate Algebra or MATH 141 C or MATH 141 PC or equivalent

Term hours: 72 lecture and 54 laboratory. This course provides a general introduction to the basic concepts, principles and laws of modern chemistry. Topics include a study of atomic theory, molecular structure, chemical reactivity, and the properties of the various phases of matter. Laboratory experiments include both qualitative and quantitative analysis, with an emphasis on proper laboratory techniques. This course applies to the physical science requirement for general education and is not acceptable for credit for students majoring in physical science. CHEM 107 C is a recommended preparatory course for students planning to take CHEM 111AC AND CHEM 111BC. No credit if taken after CHEM 111AC. Pass/No Pass/Letter Grade Option (UC Credit Limitation/CSU, AA GE, CalGETC)

CHEM 111AC General Chemistry I**5 Units**

Prerequisite(s): CHEM 107 C with a grade of C or better or a passing score on the Chemistry Proficiency Test, and successful completion of Intermediate Algebra or MATH 141 C or MATH 141PC or equivalent with a grade of C or better

Term hours: 54 lecture and 108 laboratory. Topics covered include the general principles of chemistry with associated laboratory analysis. This includes atomic structure, bonding, the mole concept, properties of solutions, gas laws, and thermochemistry. (UC/CSU, AA GE, CalGETC, C-ID: CHEM 110 and CHEM 120S=CHEM 111AC+CHEM 111BC).

CHEM 111BC General Chemistry II**5 Units**

Prerequisite(s): CHEM 111AC with a grade of C or better

Term hours: 54 lecture and 108 laboratory. In this course, topics covered include the general principles of chemistry with associated laboratory analysis. This includes kinetics, equilibrium, thermodynamics, electrochemistry and nuclear chemistry. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: CHEM 120 S = CHEM 111AC + CHEM 111BC)

CHEM 201 C Chemistry for Health Science Majors II**4.5 Units**

Prerequisite(s): CHEM 101 C with a grade of C or better

Term hours: 72 lecture and 36 laboratory. This course is the second semester of a two semester sequence (CHEM 101 C and CHEM 201 C). Topics covered include the structures, nomenclature, reactions, and applications of organic and biochemical compounds, as well as cell structure, metabolism, biotechnology, vitamins, and enzymes. This course is designed for students majoring in health science. (UC Credit Limitation/CSU, AA GE, CalGETC)

CHEM 211AC Organic Chemistry I**5 Units**

Prerequisite(s): CHEM 111BC with a grade of C or better

Term hours: 54 lecture and 108 laboratory. This course is the first part of a two semester organic chemistry lecture and laboratory sequence. This course covers the study of functionalized compounds, stereochemistry, substitution and elimination reactions, alkenes, alkynes, and spectroscopic methods. Laboratory work includes the synthesis, isolation, and characterization of organic compounds by using modern techniques and instrumentation. This course is designed for students who plan to major in chemistry, biochemistry, biology, and pre-medical/pre-pharmacy/pre-dental programs. (CSU/UC, C-ID: CHEM 160S)

CHEM 211BC Organic Chemistry II**5 Units**

Prerequisite(s): CHEM 211AC with a grade of C or better

Term hours: 54 lecture and 108 laboratory. This course is the second part of a two semester organic chemistry lecture and laboratory sequence. The course includes the study of radicals, aromatic compounds, carbonyl-containing compounds, amines, biologically important compounds, and strategy in organic synthesis. Laboratory work includes modern techniques required to synthesize organic compounds, and the isolation and analysis of these compounds. This course is designed primarily for students who plan to major in chemistry, biochemistry, biology, and pre-medical/pre-pharmacy/pre-dental programs. (UC/CSU, C-ID: CHEM 160S=CHEM211BC + CHEM 211AC)

CHEM 298 C Chemistry Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and 0-864 laboratory depending on units attempted. This course seminar is designed to help students conceptualize and intensify knowledge in a variety of chemical topics. They may include lecture, discussions, and other activities at the discretion of the instructor. Actual seminar topics will be listed in the class schedule for a particular semester. Consult the class schedule to verify unit credit and prerequisites for a particular semester. Pass/No Pass or Pass/No Pass/Letter Grade Option or Standard Letter Grade. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

Chinese (CHIN)

CHIN 098 C Chinese Seminar**0.5-12 Units**

This seminar is for able students who wish to extend their knowledge of literature, language, and culture through small groups discussion. Fee may be required - Payable at Registration. May be taken for credit 0-4 times. Pass/No Pass or Letter Grade option.

CHIN 100 C Beginning Spoken Chinese**3 Units**

Term hours: 54 lecture. This course is for students at beginning levels who would like to have exposure to Chinese without having to learn Chinese characters. It is an introduction to spoken Chinese with emphasis on pronunciation, oral practice, vocabulary development, and use of common expressions for daily conversations in a culturally appropriate way. Pass/No Pass/Letter Grade Option (UC/CSU, AA GE).

CHIN 101 C Elementary Chinese-Mandarin I**5 Units**

Term hours: 90 lecture. The course emphasizes the acquisition of basic skills in pronunciation, listening, speaking, reading, writing, and the grammar and vocabulary necessary to acquire these skills. Students will be introduced to customs, culture, and geography of China through lectures, films, and reading assignments. Pass/No Pass/Letter Grade Option (UC/CSU, AA GE).

CHIN 102 C Elementary Chinese-Mandarin II**5 Units**

Prerequisite(s): CHIN 101 C with a grade of C or better or one year of high school Chinese with a grade of C or better

Term hours: 90 lecture. This course continues to emphasize communicative competence across the language skills of pronunciation, listening and speaking, reading and writing. Students acquire an elementary level in Chinese grammar and vocabulary. They will also increase their knowledge of the customs, culture, and geography of China and other Chinese speaking countries/areas through lectures, reading, writing assignments, and films. Pass/No Pass/Letter Grade Option (UC/CSU, AA GE, LOTE).

CHIN 203 C Intermediate Chinese-Mandarin III**5 Units**

Prerequisite(s): CHIN 102 C with a minimum grade of C or two years of high school Chinese with a Grade of C or better

Term hours: 90 lecture. This course develops listening, speaking, reading, and writing skills at the intermediate level, emphasizes both oral and written communication, and provides an expanded review of key grammatical concepts. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE)

CHIN 204 C Intermediate Chinese-Mandarin IV**4 Units**

Prerequisite(s): A minimum grade of 'C' in CHIN 203 C

Term hours: 72 lecture. This course develops listening, speaking, reading and writing skills at the intermediate level, and it provides an expanded review of key grammatical concepts. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE).

CHIN 298 C Chinese Seminar**0.5-12 Units**

Term hours: 0-216 lecture and 0-432 laboratory depending on units attempted. This seminar is for able students who wish to extend their knowledge of literature, language, and culture through small groups discussion. Pass/No Pass or Letter Grade option. (CSU/UC Credit Limitation)

Communication Studies (COMM)

COMM 050 C Effective Communication**3 Units**

Term hours: 54 lecture. The course is designed to teach students effective communication techniques in everyday situations. Emphasis is placed on developing communication skills in a variety of settings including interviewing, resume building, public speaking and working in small groups. Pass/No Pass/Letter Grade Option. (AA GE)

COMM 098 C Communication Seminar**5-12 Units**

Term hours: 0-216 lecture and 0-432 laboratory depending on units attempted. This seminar course is for able students who wish to extend their knowledge of literature, language, and culture through small groups discussion. Fee may be required - Payable at Registration. Pass/No Pass or Letter Grade option.

COMM C1000 Introduction to Public Speaking (formerly COMM 100 C Human Communication)**3 Units**

Term hours: 54 Lecture. In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. Introduction to the foundational knowledge and principles which underlie effective oral communication. Practical In order to enable students to successfully communicate ideas in a democratic society, practical public speaking experience, emphasizing research, critical analysis, organization, and delivery, will be required in multiple speaking assignments including informative and persuasive speeches. Students will also learn how to effectively and critically evaluate the communication of others. Duplicate credit not granted for COMM C1000H. (UC Credit Limitation/CSU, AA GE, C-ID:COMM 110).

COMM C1000H Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)**3 Units**

Term hours: 54 Lecture. In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience, and evaluation of various types of speeches, including informative and persuasive speeches. This is an honors course. Introduction to the foundational knowledge and principles which underlie effective oral communication and public speaking. In order to enable students to successfully communicate ideas in a democratic society, practical public speaking experience, emphasizing research, critical analysis, organization, and delivery, will be required in multiple speaking assignments including informative and persuasive speeches. Students will also learn how to effectively and critically evaluate the communication of others. This is an enhanced version of COMM 100C. Duplicate credit not granted for COMM C1000. (UC Credit Limitation/CSU, AA GE, C-ID:COMM 110).

COMM 105 C Interpersonal Communication**3 Units**

Term hours: 54 lecture. The purpose of this course is to improve the students' understanding and the ability to deal effectively with people. Major theories in the field of interpersonal communication will be studied so the student can develop a basic understanding of relationship theories and also acquire skills for self-improvement within their own relationships. Methods of instruction include lecture, discussion, simulation experiments, and small group activities. No formal speeches required. (UC/CSU, CalGETC, C-ID: COMM 130)

COMM 110 C Mediated Public Speaking**3 Units**

Term hours: 54 Lecture. In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. Introduction to the foundational knowledge and principles which underlie effective oral communication. In order to enable students to successfully communicate ideas in a democratic society, practical public speaking experience, emphasizing research, critical analysis, organization, and delivery, will be required in multiple speaking assignments including informative and persuasive speeches. Students will also learn how to effectively and critically evaluate the communication of others. Duplicate credit not granted for COMM C1000H. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: COMM 110).

COMM 120 C Intercultural Communication**3 Units**

Term hours: 54 lecture. This course focuses on the cultural and social variables, communication theories and practices, and communicative styles that affect the communication process between members of different cultures. It includes an assessment of both the communication that occurs between members of different cultures and on methods and techniques of adapting communication. (CSU/UC, AA GE, C-ID: COMM 150)

COMM 124 C Small Group Communication**3 Units**

Term hours: 54 lecture. This course is an introduction to theoretical and applied concepts in small group communication through participation and observation, analysis, and evaluation of group processes. Elements of small group behavior to be studied include leadership, roles, norms, networks, conflict and cohesion needs and problem-solving decision making. (CSU/UC, C-ID: COMM 140)

COMM 135 C Argument and Critical Thinking**3 Units**

Prerequisite(s): ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C.

Term hours: 54 Lecture. This course focuses on the development of critical thinking skills in oral and written communication and includes a discussion of the relationship between argumentation and advocacy in oral and written form. A significant component involves written argumentation with special attention to the essay form. Emphasis is placed on argumentation theory, logic, inductive and deductive reasoning, analysis of issues, evidence, fallacies, refutation, argument construction and language usage. (UC/CSU, AA GE, C-ID: COMM 120)

COMM 138 C Forensics**1-2 Units**

Term hours: 18 lecture and 18-54 laboratory. This course is designed to prepare students to participate in intercollegiate speech competition. Practical experience, emphasizing content, organization and delivery will be offered in debate, persuasive speaking, informative speaking, extemporaneous speaking, impromptu speaking and oral interpretation. This course must be taken for 2 semesters, for a total of 3 units, to fulfill the CSU A3 Critical Thinking Requirement. Open Entry – Open Exit. (CSU, C-ID: COMM 160 B)

COMM 170 C Oral Interpretation of Lit**3 Units**

Term hours: 54 Lecture. This course is an introduction to performance studies/oral interpretation of literature. Students will engage in critical analysis, appreciation, and application of theories of interpretive performance of various genres of literature including poetry, prose, drama, and readers theater. Students will learn to evaluate, analyze, edit, and creatively perform selections of literature for an audience. Emphasis will be placed on the techniques of exploring, illuminating, and orally presenting the logical, emotional, and aesthetic meanings of literature. Field trips may be required. (UC/CSU, AA GE, C-ID: COMM 170)

COMM 220 C The Rhetoric of the City**3 Units**

Term hours: 54 lecture. This course will examine the communicative meanings found in the culture, environment, history and social structure of a specific city. Students will be exposed to an interdisciplinary focus on a specific city and will examine the communicative interrelationship between the city and its populace. Duplicate credit not granted for COMM 220HC. (UC/CSU, AA GE, CalGETC)

COMM 220HC Honors Rhetoric of the City**3 Units**

Term hours: 54 lecture. This Honors-enhanced course will be conducted as a seminar. This course will examine the communicative meanings found in the culture, environment, history and social structure of a specific city. Students will be exposed to an interdisciplinary focus on a specific city and will examine the communicative interrelationships between the city and its populace. Duplicate credit will not be granted for COMM 220 C. (CSU, AA GE)

COMM 238 C Forensics**1-2 Units**

Term hours: 18 lecture and 18-54 laboratory. This course is designed to prepare students to participate in intercollegiate speech competition. Practical experience, emphasizing content, organization and delivery will be offered in debate, persuasive speaking, informative speaking, extemporaneous speaking, impromptu speaking and oral interpretation. This course must be taken for 2 semesters, for a total of 3 units, to fulfill the CSU A3 Critical Thinking Requirement. Open Entry – Open Exit. (CSU, C-ID: COMM 160 B)

COMM 298 C Communication Studies Seminar**0.5-12 Units**

Advisory: May be required

Term hours: 0-216 lecture and 0-432 laboratory depending on units attempted. This seminar course is for able students who wish to extend their knowledge of literature, language, and culture through small group discussion. Fee may be required - Payable at Registration. Pass/No Pass or Letter Grade Option. (UC Credit Limitation/CSU)

COMM 299 C Communication Independent Study**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 9-36 conference depending on units attempted. This course is for able students who wish to increase their knowledge of speech/communication language through individual study or research. May be taken for credit 3 times. (UC Credit Limitation/CSU)

COMM 340 C Communication for Health Sciences**3 Units**

Term hours: 54 lecture. This course provides an integrative overview of communication for students in Health Sciences. This course is designed to introduce students to advanced theories and principles of communication and to provide practical applications of those concepts. The course focuses on an in-depth utilization of those concepts in various health science communication settings. (CSU)

Computer Information Systems (CIS)

CIS 075 C Business Skills Development

2 Units

Term hours: 18 lecture and 54 laboratory. This course is designed for the student who needs to gain job skills in a short period of time. Occupational training will be provided in the areas of office occupations, and communication skills. \$3.00 Materials Fee - PAYABLE AT REGISTRATION. . Pass/No Pass or Letter Grade Option

CIS 100 C Introduction to Computer and Windows Concepts (formerly CIS 050 C)

3 Units

Term hours: 54 lecture and 18 laboratory. This course is designed to teach the computer hardware, Windows Operating System, E-mail, Web Apps, and Internet concepts. Students will receive hands-on experience. \$3.00 Materials Fee--PAYABLE AT REGISTRATION. Pass/No Pass/Letter Grade Option. (CSU)

CIS 102 C MS Word Business Applications

4 Units

Term hours: 54 lecture and 54 laboratory. This course teaches students how to use Word to create and edit documents; format documents; add tables and lists; add design elements and layout options; and proof documents. Students will learn how to create and format business, legal, medical, and other professional looking documents using Microsoft Word as well as Adobe PDF. Focus will be on using Word features such as mail merge, form letters, styles, themes, macros, and desktop publishing to generate letters, tables, reports, flyers, and newsletters. This course will prepare students for Microsoft Office Specialist (MOS) exam. \$3.00 Materials Fee -- PAYABLE AT REGISTRATION. Pass/No Pass or Letter Grade Option. (CSU)

CIS 103 C Presentation-PowerPoint for Windows

3 Units

Term hours: 54 lecture and 18 laboratory. This course teaches the students how to use PowerPoint for business and professional use. Students create, edit, format, and enhance presentations and apply transitions and animations. This course will help prepare students to take the Microsoft Office Specialist (MOS) exam. \$3.00 Materials Fee -- PAYABLE AT REGISTRATION Pass/No Pass/Letter Grade Option (CSU)

CIS 110 C Linux Operating System

3 Units

Term hours: 54 lecture and 18 laboratory. This course is an introduction to the Linux operating system. Topics include installing, configuring, maintaining, administering, and troubleshooting of the Linux Operating System. It provides foundation to prepare for industry certification such Linux+, LPI, and RHCSA. \$3.00 Materials Fee--PAYABLE AT REGISTRATION. (CSU/UC)

CIS 111 C Computer Information Systems

3 Units

Term hours: 54 lecture and 18 laboratory. This course is an introduction to computer concepts, computer organization, operation, hardware, systems and application software; business-problem solving; and applications to business. \$3.00 Materials Fee--PAYABLE AT REGISTRATION (UC/CSU, AA GE, C-ID: BUS 140 and ITIS 120)

CIS 116 C MS Outlook/Office Procedures

3 Units

Term hours: 54 lecture and 18 laboratory. This course prepares management or office personnel for work in a computerized office environment. MS Outlook is taught in this class and integrated with Word and other MS Office applications. Pass/No Pass/Letter Grade Option, \$3.00 Material Fee - Payable at Registration. (CSU)

CIS 132 C Spreadsheet-Excel for Windows

4 Units

Term hours: 72 lecture. This course is designed to introduce students to the use of spreadsheet programs in the solution of problems. Students will use spreadsheet software to create, edit, graph, save, and print out spreadsheets. \$3.00 Material Fee-Payable at Registration. (CSU)

CIS 142 C Database-Access for Windows

3 Units

Term hours: 54 lecture and 18 laboratory. This course is designed to introduce the student to the use of database programs in the solution of record keeping problems. Students will use database software to create, update, and report data files. \$3.00 Material Fee - Payable at Registration. (CSU)

CIS 150 C Microsoft Applications for Business

3 Units

Term hours: 36 lecture and 54 laboratory. This course studies the terms, concepts, and features of Microsoft 365 software in today's business offices. Students will create hands-on application office projects using Microsoft 365. \$3.00 Materials Fee - PAYABLE AT REGISTRATION. Pass/No Pass/Letter Grade Option. (CSU).

CIS 160 C Information Systems Management

3 Units

Term hours: 54 lecture and 18 laboratory. This course provides students with a greater understanding in managing a Computer Information Systems Center. The subject areas to be studied are planning, equipping, staffing, managing, and implementing a computer-based information system. Hands-on practices in familiarization of cloud computing, data communication and network management as well Web technology are included in planning and managing of an information systems environment. Pass/No Pass/Letter Grade Option. \$3.00 Materials Fee -- PAYABLE AT REGISTRATION. (CSU).

CIS 164 C IT Support Services

3 Units

Term hours: 36 lecture and 54 laboratory. This course is designed to teach students the crucial skills needed to work as an IT support in an Active Directory network or Windows workgroup environment. Students will learn the kinds of knowledge, skills, abilities, and strategies they need to be employable in the support industry. Emphasis will be placed on deploying Windows, managing devices and data, configuring connectivity, maintaining Windows, managing policies and profiles, managing and protecting devices, and managing apps and data. This course prepares students for the Microsoft 365 Certified: Modern Desktop Administrator Associate. \$3.00 Materials Fee--PAYABLE AT REGISTRATION. . Pass/No Pass or Letter Grade Option. (CSU)

CIS 170 C Introduction to Data Analytics

3 Units

This course is an introduction to the fundamental concepts of Data Analytics and Business Intelligence (BI). Data Analytics and BI are utilized to turn big data into useful information to enable educators, researchers, industry, and businesses to make better decisions. Students will examine the tools, applications, and processes including analytics, understanding data, data warehousing, big data, cloud computing, and data visualization. \$3 materials fee payable at registration (CSU/UC)

CIS 172 C Data Visualization

3 Units

Term hours: 54 lecture and 18 laboratory. This course will teach students how to develop data dashboards that reveal meaningful information to relevant target audiences. Students will learn how to organize raw data, to analyze and interpret data and to draw and present conclusions using Tableau software. \$3.00 Materials Fee--PAYABLE AT REGISTRATION (UC/CSU)

CIS 185 C Administering Windows Server**3 Units**

Term hours: 36 lecture and 54 laboratory. This course introduces students to both Microsoft client and server sides for the administration and management of Windows networking on domain directory services. Students will learn the features and architectures of the various types of client/server implementations such as program installation, working with files and folders, security permissions to the network resources, network auditing, printing system, configuring users and groups, managing domains and OUs, configuring authentication policies, managing DFS, and group policies, identity solutions and domain name systems. \$3.00 Materials Fee - PAYABLE AT REGISTRATION. Pass/No Pass/Letter Grade Option. (CSU)

CIS 189 C Administering Windows Active Directory Services**3 Units**

Term hours: 36 lecture and 54 laboratory. This course covers implementing, managing, maintaining and configuring directory services and infrastructure in a Windows server environment. Emphasis would be on active directory domain services (AD DS), group policies at both introductory and advanced, domain name system, file services, AD certificate services, setting up user accounts and user access, managing resources, AD federation services, AD rights management, AD trusts, and advanced networking services and infrastructure. \$3.00 Materials Fee - PAYABLE AT REGISTRATION. Pass/No Pass/Letter Grade Option. (CSU)

CIS 190 C IT and Cybersecurity Funds**4 Units**

Term hours: 72 lecture and 36 laboratory. This course provides students with the fundamental knowledge in Information technology and Cybersecurity and prepares students for CompTIA's ITF+ and Cloud Essentials exams. Topics will include Cybersecurity essentials, OS installation and hardening, Windows and Linux administration, networking fundamentals and basics of cloud computing. Pass/No Pass or Letter Grade Option. (CSU)

CIS 191 C Network Infrastructure Services**3 Units**

Term hours: 36 lecture and 54 laboratory. This course primarily covers the administration and configuration tasks required to deploy, manage and maintain infrastructure and necessary network services. Emphasis is placed on advanced network and file services, dynamic access control, distributed active directory domain, active directory certificate, rights management, network load balancing, virtual machine manager, VPN solution, sites topology, failover clustering, and IP address management. Pass/No Pass or Letter Grade option. \$3.00 Materials Fee--PAYABLE AT REGISTRATION. (CSU)

CIS 195 C Network Security**3 Units**

Term hours: 36 lecture and 54 laboratory. This course prepares students to identify network security threats and implement measures for securing networks. Important network security topics covered in CompTIA's Security+ certificate such as malware and social engineering attacks, basic cryptography, mobile, IoT, and wireless network security, account and access control, risk management and vulnerability assessment are covered. Pass/No Pass/Letter Grade Option. \$3.00 Materials Fee--PAYABLE AT REGISTRATION. (CSU)

CIS 196 C Ethical Hacking**3 Units**

Term hours: 36 lecture and 54 laboratory. This course provides students with basic anti-hacking, penetration testing, risk assessment and management, incident response, security controls, and enterprise network security concepts and hands-on skills. Important defense in depth topics such as network and computer attacks, footprinting, port scanning, enumeration, forensics, cryptography and operating systems vulnerabilities and hardening are covered. This course also prepares students for the CompTIA CySA+ Cybersecurity Analyst certificate. \$3.00 Material Fee - PAYABLE AT REGISTRATION. Pass/No Pass/Letter Grade Option. (CSU)

CIS 201 C Microsoft Virtualization and Cloud Deployment**3 Units**

Term hours: 54 lecture and 18 laboratory. This course will prepare students with the knowledge and skills in virtualization technology such as Hyper-V, System Center services, desktop virtualization, and cloud computing using Azure networking platform. Students will be proficient in developing applications and services by using cloud and virtualization tools including storage, security, computing, and communications. \$3 materials fee is payable at registration. Pass/No Pass or Letter Grade Option. (CSU)

CIS 202 C VMware Cloud and Virtualization Networking**3 Units**

Term hours: 54 lecture and 18 laboratory. In this hands-on training course students will install, configure, manage, and troubleshoot VMware vSphere, which includes VMware ESXi and VMware vCenter Server. Students are taught how to administer a vSphere infrastructure for an organization of any size. In doing so, students explore fundamentals of virtual network design and implementation, fundamentals of storage area networks, virtual switching, virtual system management, and engineering for high availability. In addition, students will learn the skills necessary to install and configure VMware vRealize for cloud solutions. \$3 materials fee payable at registration. Pass/No Pass or Letter Grade option. (CSU)

CIS 211 C Introduction to Programming**3 Units**

Term hours: 54 lecture and 18 laboratory. This beginning course in programming introduces students to the Visual C# . NET programming language. Students will learn how to design, code, and debug programs. Some of the topics include: C# syntax, input and output statements, operators, decision statements, arrays, loops, methods, Windows Forms, classes, inheritance, and polymorphism. \$3.00 Materials Fee - PAYABLE AT REGISTRATION. (UC/CSU, C-ID: ITIS 130).

CIS 226 C Java Programming**3 Units**

Advisory: CIS 211 C or Equivalent Programming Experience

Term hours: 54 lecture and 18 laboratory. This course introduces students to the Java programming language. Topics include the language syntax, designing and debugging programs, control structures, methods, files, arrays and collections, and object-oriented programming concepts. \$3.00 Materials Fee--PAYABLE AT REGISTRATION. (UC/CSU, C-ID: COMP 122).

CIS 230 C Cisco Networking 1**4 Units**

Advisory: CIS 190 C Term hours: 72 lecture and 36 laboratory

The first course in the CCNA (Cisco Certified Networking Associate) focuses on network terminology and protocols, Local Area Networks (LANs), Wide Area Networks (WANs), Open System Interconnection (OSI) model, cabling, cabling tools, routers, router programming, Ethernet, Internet Protocol (IP) addressing, and network standards and security fundamentals. This course is offered through Cisco Local Academy and upon successful course completion, students will receive a digital badge from Cisco. \$3.00 Materials Fee--PAYABLE AT REGISTRATION. Pass/No Pass/Letter Grade Option. (CSU).

CIS 231 C Cisco Networking 2**3 Units**

Prerequisite(s): CIS 230 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This is the second course in the CCNA (Cisco Certified Networking Associate) curriculum that focuses on switching technologies and router operations that support small-to-medium business networks and includes wireless local area networks (WLAN) and security concepts. Students learn key switching and routing concepts. They can perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN. This course is offered through Cisco Local Academy and upon successful course completion students will receive a certificate from Cisco. \$3 materials fee payable at registration. Pass/No Pass or Letter Grade Option. (CSU)

CIS 232 C Cisco Networking 3**3 Units****Prerequisite(s):** CIS 231 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. The third course in the CCNA (Cisco Certified Networking Associate) curriculum describes the architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. This course covers wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access along with the introduction of software-defined networking, virtualization, and automation concepts that support the digitalization of networks. This course is offered through Cisco Local Academy and upon successful course completion students will receive a certificate from Cisco. \$3.00 Materials Fee—PAYABLE AT REGISTRATION. Pass/No Pass/Letter Grade Option. (CSU)

CIS 233 C Cisco CyberOps**3 Units****Advisory:** CIS 190 C and CIS 230 C

Formerly: CIS 233 C Cisco Networking 4 Term hours: 36 lecture and 54 laboratory. This course provides an introduction to the knowledge and skills needed as an associate-level Security Analyst working with a security Operations Center team. Students gain understanding and hands-on experience on how to detect and respond to security incidents, understand how organizations deal with cybercrime, cyber espionage, insider threats, advanced persistent threats, regulatory requirements, and related issues. This course is offered through Cisco Local Academy and upon successful course completion students will receive a certificate from Cisco. Students will also be prepared for CCNA Cyber Ops exams. \$3.00 Materials Fee—PAYABLE AT REGISTRATION. Pass/No Pass/Letter Grade Option. (CSU)

CIS 234 C Data Structures in Java**3 Units****Prerequisite(s):** CIS 226 C with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This course covers advanced Java programming through the design and use of data structures and algorithms. The following data structures will be covered: arrays, linked lists, stacks, queues, hash tables, binary search trees, heaps, self-balancing binary search trees, and graphs. Students will learn to implement and use each. (UC/CSU, C-ID: COMP 132).

CIS 236 C Introduction to Oracle - SQL and PL and SQL**3 Units**

Term hours: 36 lecture and 54 laboratory. This course offers students an extensive introduction to data server technology. The class covers the concepts of both relational and object relational databases and the powerful SQL (Structured Query Language). Students are taught to create and maintain database objects and to store, retrieve, and manipulate data. \$3.00 Materials Fee - PAYABLE AT REGISTRATION. (CSU/UC, C-ID: ITIS 180)

CIS 239 C CCNA Bootcamp**3 Units****Advisory:** CIS 230 C and CIS 231 C and CIS 232 C

Term hours: 54 lecture and 18 laboratory. Students will be prepared for the CompTIA Network+ and Cisco Certified Networking Associate (CCNA) Routing and Switching exams. Major concepts such as IP addressing and subnetting, router and switch configurations, troubleshooting, routing, switching and VLANs will be reviewed. Students will be provided with the test bank questions and sample simulation scenarios to prepare for the exams. Pass/No Pass/Letter Grade Option \$3.00 Materials Fee-Payable at Registration. (CSU).

CIS 243 C Linux Server Administration**3 Units**

Term hours: 54 lecture and 18 laboratory. This is a hands-on course for students to acquire basic skills and knowledge needed to administer Linux servers in a network environment. Topics include installing, configuring, and maintaining Apache, FTP, SSH, Samba, NFS, DHCP, NTP, mail, printing, and LAMP servers as well as system log files and basic network security measures. (UC/CSU)

CIS 247 C Python Programming**3 Units**

Term hours: 54 lecture and 18 laboratory. In this course, students will obtain a hands-on introduction to the Python language, Python tools, Python applications, and problem-solving with Python. Through lectures and laboratory work, students learn the skills of Python programming. Pass/No Pass/Letter Grade Option. \$3 materials fee payable at registration. (CSU/UC, C-ID: COMP 122)

CIS 256 C Application Security and Penetration Testing**4 Units****Advisory:** CIS 247 C Term hours: 63 lecture and 36 laboratory

This course prepares students to understand Application Security (AppSec) and Development, Security and IT Operations (DevSecOps), will help learn various aspects of software development, operations, continuous integration, continuous delivery, automated build, test, deployment and analysis of application's source code for vulnerabilities. The course will explore the different tools that enable DevSecOps like GitLab, GitHub, SAST/DAST, fuzzers, Codacy, SonarQube, Snyk.io, Logz.io, XebiaLabs, dependency scanners, OWASP ZAP and Infrastructure as Code. This course prepares students for the CompTIA PenTest+ certification exam. Pass/No Pass/Letter Grade Option \$3.00 Materials Fee—PAYABLE AT REGISTRATION (CSU)

CIS 257 C Cloud Implementation and Security**4 Units****Advisory:** CIS 230 C Term hours: 63 lecture and 36 laboratory

This course prepares students to understand cloud computing, analyze cloud technologies, secure cloud infrastructures, learn different cloud types and services, and manage virtual servers and cloud storage. The course also will cover the topics of virtualization, software defined networks, storage, and various vendor cloud products, and programming models. Course is supplemented with 24/7 access to NetLab. Pass/No Pass/Letter Grade Option \$3.00 Materials Fee—PAYABLE AT REGISTRATION (CSU)

CIS 258 C Cisco Security**3 Units****Advisory:** CIS 230 C and CIS 231 C

This course focuses on securing network devices, implementing firewall and intrusion prevention technologies, cryptography, implementing Virtual Private Networks (VPNs), implementing the Cisco Adaptive security Appliance (ASA), and managing a secure network. This course is offered through Cisco Local Academy and upon successful course completion, students will receive a certificate from Cisco. Students will be also prepared for Cisco's IINS exam by completing Bootcamp sessions. \$3 materials fee payable at registration. Pass/No Pass or Letter Grade option. (CSU)

CIS 259 C Advanced Cloud Implementation**3 Units****Advisory:** CIS 257 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course prepares students for the AWS Certified Solutions Architect and covers the fundamentals of building IT infrastructure in the cloud. The course is designed to teach how to optimize use of the cloud by understanding different best practices on implementation and deployment of different cloud services and solutions. Throughout the course, students will explore case studies that showcase how businesses and customers are designing their cloud-based IT infrastructures and the strategies and services they follow. This course will provide students the opportunity to build a variety of infrastructures through a guided, hands-on approach. Pass/No Pass/Letter Grade Option \$3.00 Materials Fee— PAYABLE AT REGISTRATION (CSU)

CIS 274 C IT Project Management**3 Units**

Term hours: 36 lecture and 54 laboratory. This course provides the concepts and solutions that supports the planning, scheduling, controlling, resource allocation, and performance measurement activities required for successful completion of an information technology project and helps prepare for the CompTIA Project+ certification exam. Topics include integration, scope, time, cost, quality, human resource management, communications, procurement, risk, and technology, management. \$3.00 Materials Fee--PAYABLE AT REGISTRATION (CSU)

CIS 275 C Data Structures in Python**3 Units**

Prerequisite(s): CIS 247 C with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This is an intermediate-level course for students to develop programming skills to build larger, more complex, higher-quality software. Topics include data structures such as arrays, linked lists, stacks, queues, hash tables, binary trees, heaps, self-balancing binary search trees, and graphs. Other topics include inheritance, operator overloading, sorting, and algorithm analysis. (UC/CSU, C-ID: COMP 132).

CIS 277 C Digital Forensics**3 Units**

Term hours: 36 lecture and 54 laboratory. This hands-on course provides theoretical and practical knowledge, as well as current research on digital forensics and delivers technical and management knowledge of computer forensics to students. This course equips students with professional knowledge and techniques to investigate, preserve, process, report, and present digital evidence. \$3 materials fee payable at registration. (CSU)

CIS 295 C CIS Internship**1-4 Units**

Term hours: 54-216 work experience education. This course is designed to give the student credit for work experience at a related occupational worksite, while being concurrently enrolled in a vocational major. For each unit of credit, a minimum of 54 worksite internship hours is required. The internship allows students to apply knowledge gained in college courses to an actual work setting, sample career choices and improve job-readiness skills. Supplemental reading and course assignments required. Pass/No Pass/Letter grade Option. Open entry/open exit. (CSU)

CIS 298 C Artificial Intelligence Fundamentals**3 Units**

This course leads students to explore the principles, techniques, and applications of Artificial Intelligence. It covers topics like machine learning, deep learning, natural language processing, and common AI techniques. \$3.00 Materials Fee--PAYABLE AT REGISTRATION. (CSU)

CIS 299 C CIS Independent Study**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 27-108 Laboratory. This course is designed for students who wish to gain further experience, knowledge, or expertise beyond their current offerings in their area of study. The number of class hours or activities per week will be determined by the scope of the topic. The instructor will devise learning strategies to be followed by the student. Students must obtain permission from the program coordinator to be enrolled in this class. May be taken for credit 4 times. Pass/No Pass/Letter Grade Option (CSU).

Computer Science (CSCI)

CSCI 123 C Introduction to Programming Concepts in C++**3 Units**

Prerequisite(s): MATH 141 C or MATH 141PC or MATH 142 C, with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This course introduces the discipline of computer science using a high level language utilizing programming and practical hands-on problem solving. Topics include the structure and design of algorithms, input/output, branching structures, functions, recursion, built-in data types, arrays, structures, files, pointers and elementary operations on linked structures. The object-oriented programming paradigm will be introduced. Topics include encapsulation, polymorphism, libraries, streams, inheritance and abstract data types. Students will design algorithms, write external and internal documentation and design and write source code in C++. (CSU/UC, C-ID: COMP 122)

CSCI 133 C Data Structures in C++**3 Units**

Prerequisite(s): CSCI 123 C with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This course discusses how to apply software engineering techniques to the design and development of large programs, data abstraction and structures and associated algorithms. Data structures examined are arrays, linked lists, stacks, queues, trees, tables, and graphs. Algorithm topics include hashing, sorting heaps, searches and algorithm efficiency using Big-O notation. Students will create and modify class libraries to implement these structures. (UC/CSU, C-ID: COMP 132)

CSCI 242 C Computer Architecture and Organization**3 Units**

Advisory: CSCI 123 C or CIS 226 C or CIS 247 C

Term hours: 54 lecture and 18 laboratory. This course covers the organization and behavior of real computer systems at the assembly-language level. The mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied, as well as the internal representation of simple data types and structures. Numerical computation is examined, noting the various data representation errors and potential procedural errors. (CSU/UC, C-ID: COMP 142)

CSCI 252 C Discrete Structures**3 Units**

Advisory: CSCI 242 C

Term hours: 54 lecture and 18 laboratory. 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. (CSU/UC, C-ID: COMP 152)

Counseling and Guidance (COUN)

COUN 100 C College Orientation**1 Unit**

Advisory: This course is designed for students who are eligible for services from Disability Support Services (DSS)

Term hours: 18 lecture. This course will introduce students to campus support services, establish realistic goals, develop study skills, and discuss time management strategies. Students will learn about accessing accommodations on campus and in the community. Pass/No Pass only. (CSU/UC)

COUN 105 C Stress and Anxiety Management**1 Unit**

Term hours: 18 lecture. This course is designed to increase the student's awareness of the effects of stress and anxiety on academic performance and daily life. Emphasis will be placed on understanding effective and ineffective responses to stress and anxiety on planning a personal stress and anxiety management program. Students will explore and practice a variety of practical coping skills and management techniques. Pass/No Pass only. (UC/CSU)

COUN 110 C Teaching as a Career**3 Units**

Advisory: Eligibility for college-level composition or appropriate placement
Term hours: 36 lecture and 54 laboratory TBA. This course is designed as an introduction to the teaching profession where students will examine concepts and issues related to education in a democratic society within historical, social, philosophical, legal and political contexts. Students will develop personal knowledge and understanding of (1) the purposes and values of schools in society, (2) the nature of teaching and the teaching profession, (3) the impact of local, state, and federal government policies on schools, and (4) contemporary educational issues. Course content and assignments will be related to a 45 hour fieldwork experience in a K-12 licensed public educational setting. (UC/CSU)

COUN 135 C Leadership**3 Units**

Term hours: 54 lecture. This course includes the study and practical application of group and individual leadership techniques. It is designed to improve awareness of group dynamics, listening skills, personal values, decision-making, problem solving and organizational development. Duplicate credit not granted for COUN 135HC. (UC Credit Limitation/CSU)

COUN 135HC Honors Leadership**3 Units**

Term hours: 54 lecture. This is an enhanced leadership development course that requires leadership participation in a campus or community organization. It includes the study and practical application of group and individual leadership techniques. It is designed to improve awareness of group dynamics, personal values, decision-making, problem solving and organizational development. It emphasizes critical analysis of leaders in the news, history or literature. Duplicate credit not granted for COUN 135 C. (UC/CSU)

COUN 139 C Career Exploration (formerly COUN 141 C)**1 Unit**

Term hours: 18 lecture. This class is designed for students who are undecided about their educational or career goals. Using a career planning process, students assess interests, skills, strengths, personality, values, life and work style choices. Students explore cultural differences and gain an awareness which is applied to the work setting. Students research potential educational and career goals; apply decision making tools, and relate their self-assessment information to occupational possibilities and college majors. Additional cost for career assessments may be required. PASS/NO PASS. (CSU).

COUN 140 C Educational Planning**1 Unit**

Term hours: 18 lecture. This course is designed for new students as part of the Student Success and Support Program. The course includes: an orientation to college life, responsibilities, requirements, and regulations; an overview of the guided self-placement/assessment process; psychological, sociological, and physiological factors of student success; certificates, occupational degrees, and transfer degrees; the transfer process; career guidance and pathways for selection of a major plan of study; and development of a student educational plan. Students utilize multiple computer applications and websites to conduct research in developing a comprehensive educational plan. Students also data-enter their plan into Degree Works. PASS/NO PASS. (UC/CSU)

COUN 144 C Women, Careers & Specialty Issues**2 Units**

Term hours: 36 lecture. Creative career search, planning and development for specialty needs and interests. Topics focus on women but also on: disabilities, discrimination and inequities; health science, fine arts and portfolio careers; building confidence, strong social media presence and strategies for success. Multiple career resources utilized to optimize college and beyond. Pass/No Pass. (CSU)

COUN 145 C Job Readiness - Career Management**2 Units**

Term hours: 36 lecture. In this course, students will learn to successfully bridge from college to the workplace (or make a job transition). In a future of constant change, students will learn how to maximize their strengths, skills, and college learning for gainful and satisfying employment. Students will create a personal brand and professional in-person and online presence to optimize their career opportunities. Resumes, interviewing, business etiquette, job search, networking, and long term career management issues are discussed, developed and/or practiced. (CSU)

COUN 150 C Academic and Life Success**3 Units**

Term hours: 54 lecture. This course will provide students with knowledge, information, and practical skills to better understand themselves as students, people and members of society. It will assist them in achieving academic, and life goals and to develop plans and strategies to successfully meet those goals. Optional assessments require a fee. (UC/CSU)

COUN 151 C Career and Life Planning**3 Units**

Term hours: 54 lecture. A complete class in career/life planning, including introduction to the tools for dealing with change; an analysis of desired lifestyles; self-assessment; overcoming obstacles, and analysis of work, its organizations, and where you want to work; decision-making, people, environments, career-researching and job-finding, resumes, interviewing, and goal setting. \$3.00 Material Fee-Payable at Registration. (UC/CSU)

COUN 160 C College/University Transition**1 Unit**

This course is designed for the student who plans to transfer to a college or university. Topics include the value of pursuing higher education, selection of a transfer institution, admissions, academic requirements, financial aid options, special programs, priority filing deadline, and developing an autobiographical essay. DUPLICATE CREDIT NOT GRANTED FOR COUN 160HC. PASS/NO PASS/Letter Grade Option. (UC/CSU)

COUN 298 C Counseling and Guidance Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 0-648 laboratory depending on units attempted. These various courses may be offered which are designed to meet the interests and needs of the students and faculty. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration. (CSU)

COUN 299 C Counseling - Independent Study**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 27-108 Laboratory. This course is designed for students who wish to explore in-depth various guidance-related topics. Students develop an Independent Study Learning Contract with the instructor that details the objectives and course content and scope to be completed by the student. Consult class schedule to verify credit for a particular term. Variable Unit Class. Open Entry/Open Exit. May be taken for credit 4 times. Pass/No Pass (CSU)

Court Reporting (CTRP)

CTRP N030C Court Reporting Lab (Non-Credit)

0 Hours

This course is designed as an open entry lab to fulfill the Court Reporter's Board lab requirements for court reporting students receiving instruction in theory to 100 words per minute. Open Entry/Open Exit. Pass/No Pass. \$3.00 Materials Fee - Payable at Registration.

CTRP N042C Machine Shorthand Speed Building 1 (Non-Credit)

5-90 Hours

This course promotes further development of speed and accuracy in taking dictation on the machine. The student will review theory and develop sufficient skills to take new material dictation at 80 wpm for a minimum of three minutes with 95 percent accuracy. This course meets partial requirements of the Court Reporter's Board and the National Court Reporter's Association. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N043C Machine Shorthand Speed Building 2 (Non-Credit)

5-90 Hours

This course promotes further development of speed and accuracy in taking dictation on the machine. The student will review theory and develop sufficient skills to take new material dictation at 100 wpm for a minimum of five minutes with 95 percent accuracy. This course meets partial requirements of the Court Reporter's Board and the National Court Reporter's Association. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N044C Machine Shorthand Speed Building 3 (Non-Credit) 0 Hours

This course promotes further development of speed and accuracy in taking dictation on the steno machine. The student will review techniques of writing and develop sufficient skills to take new material dictation at 120 wpm for five minutes with 95 percent accuracy. This course meets partial requirements of the Court Reporter's Board and the National Court Reporter's Association for speed level on jury charge material. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N045C Machine Shorthand Speed Building 4 (Non-Credit)

5-90 Hours

This course promotes further development of speed and accuracy in taking dictation on the steno machine. The student will review techniques of writing and develop sufficient skills to take new material dictation at 140 wpm for five minutes with 95 percent accuracy. This course meets partial requirements of the Court Reporter's Board and the National Court Reporter's Association for speed level on jury charge material. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N046C Machine Shorthand Speed Building 5 (Non-Credit)

5-90 Hours

This course promotes further development of speed and accuracy in taking dictation on the steno machine. The student will develop sufficient skills to take new material dictation at 160 wpm for five minutes with 98 percent accuracy. This course meets the requirements of the Court Reporter's Board and the National Court Reporter's Association for speed level on question and answer and trial testimony. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N047C Machine Shorthand Speed Building 6 (Non-Credit)

5-90 Hours

This course promotes further development of speed and accuracy in taking dictation on the steno machine. The student will develop sufficient skills to take new material dictation at 180 wpm for ten minutes with 97.5 percent accuracy. This course meets the requirements of the Court Reporter's Board and the National Court Reporter's Association for speed level on question and answer and trial testimony. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N048C Machine Shorthand Speed Building 7 (Non-Credit) 0 Hours

This course promotes further development of speed and accuracy in taking dictation on the machine. The student will develop sufficient skills to take new material dictation at 200 wpm for 10 minutes with 97.5 percent accuracy. This course meets the requirements of the Court Reporter's Board and the National Court Reporter's Association for speed level on question and answer and trial testimony. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N049C Machine Shorthand Speed Building 8 (Non-Credit) 0 Hours

This course promotes further development of speed and accuracy in taking dictation on the machine. The student will develop sufficient skills to take new material at 200 and 220 wpm sustained dictation with 97.5 percent accuracy. This course meets the requirements of the Court Reporter's Board and the National Court Reporter's Association for speed level on question and answer and trial testimony. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N057C Machine Shorthand Challenge-Beginning (Non-Credit)

5-90 Hours

This course is designed for the advanced court reporting student and the transfer student to gain additional proficiency at 160 wpm in taking two-voice, literary, and jury charge material in preparation for the RPR (national test) with special emphasis on formatting, capitalization, abbreviations and paraphrasing. Live reading will be introduced. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N058C Machine Shorthand Challenge-Intermediate (Non-Credit)

5-90 Hours

This course is designed for the advanced court reporting student and the transfer student to gain additional proficiency in taking two-voice, literary, and jury charge in preparation for the RPR national testing program 180 wpm. Live reading will be introduced. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N059C Machine Shorthand Challenge-Advanced-200 wpm (Non-Credit)

5-90 Hours

This course is designed for the advanced court reporting student and the transfer student to gain additional proficiency in preparation for the national RPR examination with two-voice, jury charge, and literary material with special emphasis on dictionary conflict resolutions for homonyms. Dictation is offered 200 wpm. Live reading will be emphasized. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP N060C Machine Shorthand Challenge-Professional (Non-Credit)

5-90 Hours

This course is designed for the advanced court reporting student and the transfer student to gain additional proficiency in taking two-voice, literary, and jury charge in preparation for the RPR national testing program 180 wpm. Live reading will be introduced. This course is non-credit. Open Entry/Open Exit. Pass/No Pass.

CTRP 033 C Internship - Agency Services**2 Units**

Term hours: 36 lecture. This course provides practical work experience in an office setting in order to prepare the student to work in a court reporting agency. There will be 40 hours of internship required, plus 10 hours of observation.

CTRP 034 C Internship - Court Services**2 Units**

Term hours: 36 lecture. This course offers practical work experience in order to prepare the student to work in an administrative or clerical capacity in the California court system. There will be 40 hours of internship required, along with 10 hours of observation.

CTRP 040 C Beginning Machine Shorthand Theory**3 Units**

Term hours: 36 lecture and 54 laboratory. This first semester course covers the basic theory of machine shorthand and mastery of the keyboard. This course meets partial requirements of the Court Reporter's Board and the National Court Reporter's Association. Recommend concurrent enrollment in CTRP 041 C. Three hours of court observation required. Pass/No Pass/Letter Grade Option.

CTRP 041 C Court Reporting Theory Review**3 Units**

Term Hours: 36 lecture and 54 laboratory. This course covers the review of basic theory of court reporting which emphasizes reporting theory, reading fluency, and transcribing skills. This course meets partial requirements of the Court Reporter's Board and National Court Reporter's Association. Pass/No Pass/Letter Grade Option

CTRP 050 C CSR-RPR Directed Practice**3 Units**

Term hours: 36 lecture and 54 laboratory. This course promotes a further development of speed and accuracy in taking dictation on the machine. The student will develop sufficient skills to take new material dictation at speeds ranging from 180 to 260 wpm. This course meets the requirements of the Court Reporter's Board and the National Court Reporter's Association for speed level on question and answer and trial testimony. Pass/No Pass/Letter Grade Option

CTRP 051 C Court-Conference Reporting: Legal**3 Units**

Advisory: Students seeking additional support are encouraged to enroll concurrently in noncredit CTRP 043 C

Term hours: 36 lecture and 54 laboratory. This course consists of an application of court reporting theory to the keyboard to develop dictation rates of 60 to 100 wpm for a minimum of three minutes with 95 percent accuracy. Emphasis is on jury charge, literary, and question and answer material. Legal vocabulary, California formatting, and court reporting punctuation rules are introduced. Three hours of court observation is required. Pass/No Pass/Letter Grade Option

CTRP 052 C Court-Conference Reporting: Medical**3 Units**

Advisory: Students seeking additional support are encouraged to enroll concurrently in noncredit CTRP 044 C and 045 C

Term hours: 36 lecture and 54 laboratory. This course applies court reporting theory to the steno keyboard to develop dictation rates of 120 -to 140 wpm for a minimum of three minutes with 95 percent accuracy with emphasis on medical terminology. Three hours of court observation required. Pass/No Pass/Letter Grade Option

CTRP 053 C Court-Conference Reporting: Congressional**3 Units**

Advisory: Students seeking additional support are encouraged to enroll concurrently in noncredit CTRP 046 C

Term hours: 36 lecture and 54 laboratory. This course offers further development of speed and accuracy on the steno machine in taking dictation to increase machine shorthand speed and strengthen transcription skills with emphasis on congressional record material, at speeds ranging from 160 to 180 wpm for a minimum of three minutes with 95 percent accuracy. Pass/No Pass/Letter Grade Option

CTRP 054 C Two and Four Voice Testimony**3 Units**

Term hours: 36 lecture and 54 laboratory. This course develops familiarity with a simulated courtroom scene consisting of the judge, the clerk, attorneys for the plaintiff and the defendant, and a witness participating in two and four voice dictation. Students will identify each speaker with appropriate machine designations in multi-voice testimony at 120-140 words per minute for a minimum of three minutes, transcribed in proper format with 97.5 percent accuracy. Pass/No Pass/Letter Grade Option.

CTRP 055 C Court-Conference Reporting: Jury Charge**3 Units**

Advisory: Students seeking additional support are encouraged to enroll concurrently in noncredit CTRP 047 C

Term hours: 36 lecture and 54 laboratory. This course presents an intensive application of court reporting theory to develop further reading and transcribing skills in jury charge, opening and closing arguments, legal opinion and other courtroom material at speeds ranging from 160 to 180 wpm. This course prepares the student for the machine portion of the RPR examination. Pass/No Pass/Letter Grade Option.

CTRP 056 C Court-Conference Reporting: Jury Charge 2**3 Units**

Advisory: Students seeking additional support are encouraged to enroll concurrently in noncredit CTRP 048 C and CTRP 049 C

Term hours: 36 lecture and 54 laboratory. This course presents an intensive application of court reporting theory to develop further reading and transcribing skills in jury charge, opening and closing arguments, legal opinion and other courtroom material at speeds ranging from 180 to 200 wpm. This course prepares the student for the machine portion of the RPR examination. Pass/No Pass/Letter Grade Option.

CTRP 057 C Machine Shorthand Challenge-160**2 Units**

Term hours: 18 lecture and 72 laboratory. This course is designed for the advanced court reporting student and the transfer student to gain additional proficiency in taking multiple-voice testimony in a simulated environment at 160 wpm. Live reading will be introduced. Pass/No Pass/Letter Grade Option.

CTRP 058 C Machine Shorthand Challenge-180**2 Units**

Term Hours: 18 lecture and 72 laboratory. This course is designed for the advanced court reporting student and the transfer student to gain additional proficiency in taking multiple-voice testimony in a simulated environment at 180 wpm. Live reading will be introduced. Pass/No Pass/Letter Grade Option.

CTRP 059 C Machine Shorthand Challenge-200**2 Units**

Term hours: 18 lecture and 72 laboratory. This course is designed for the advanced court reporting student and the transfer student to gain additional proficiency in taking multiple-voice testimony in a simulated environment at 200 wpm. Videotaped testimony and live reading will be introduced. Pass/No Pass/Letter Grade Option.

CTRP 060 C Machine Shorthand Challenge-220**2 Units**

Term hours: 18 lecture and 72 laboratory. This course is designed for the advanced court reporting student to gain additional proficiency in taking multiple-voice testimony in a simulated environment at 220 wpm. Videotaped testimony and live reading will be introduced. Pass/No Pass/Letter Grade Option

CTRP 063 C Internship - Legal Videography**1.5 Units**

Prerequisite(s): Students must be enrolled in the Legal Videography Certificate

Term hours: 18 lecture. This course offers practical work experience in legal videography in order to prepare video recordings of courtroom, deposition, and other legal proceedings. Internship will be scheduled with members of the videography community. Internships may be paid (37.5 hours) or unpaid (30 hours).

CTRP 065 C Advanced CAT Systems**2 Units**

Advisory: The student must have completed a CAT (Computer-Aided Transcription) dictionary

Term hours: 18 lecture and 54 laboratory. This course is designed as an advanced CAT (Computer Aided Transcription) class to provide further instruction in CAT based court reporting software programs. A heavy emphasis will be placed on document production.

CTRP 067 C Basic Vocabulary Development**2 Units**

Term hours: 36 lecture. This basic course is designed to enrich vocabulary and improve spelling. The emphasis is on increasing general business and professional terminology.

CTRP 068 C Advanced Vocabulary Development**1.5 Units**

Term hours: 27 lecture. This course is an advanced course designed to enrich vocabulary and improve spelling. The emphasis is on increasing general business and professional terminology.

CTRP 071 C Legal Terminology and Rhetoric**3 Units**

Term hours: 54 lecture. The course includes instruction in the terminology used in legal proceedings and legal documents. The topics covered include terminology in civil and criminal litigation and cases in equity.

CTRP 072 C Legal Procedures**4 Units**

Term hours: 72 lecture and 18 laboratory. This course is designed to train the legal secretarial, paralegal, or court reporting student in legal procedures and practical law office skills and knowledge in the areas of general office duties, non-court documents, the courts, court documents, litigation, appeals, and other court actions. This course may be taught using a computer. Three hours of court observation required.

CTRP 073AC Spelling for Modern Business**1 Unit**

Term hours: 18 lecture. This course is designed as an 18-hour intensive review of frequently misspelled words, homonyms, synonyms, and antonyms. The emphasis will be on business, legal, medical, and technical terminology. This course meets partial requirements of the Court Reporter's Board for the English requirements for the CSR Certification Program.

CTRP 073BC Punctuation for Court Reporting**1 Unit**

Term hours: 54 lecture. This course is designed as an 18-hour intensive review of punctuation styles and rules used in court documents, letters, legal office documents, contracts, memorandums, and reports. The emphasis will be on basic punctuation rules as they apply to written business, legal, medical, and technical documents. This course meets partial requirements of the Court Reporter's Board for English and the CSR Certification Program.

CTRP 073CC Formatting, Style and Usage**1 Unit**

Term hours: 18 lecture. This course is designed to provide the court reporting student and the computer editor (scopist) major with instruction in preparing and formatting California court transcripts and depositions. Instruction will include format styles, usage, and fundamentals of document production using the computer.

CTRP 073DC Proofreading**1 Unit**

Term hours: 18 lecture. This course is designed to provide the court reporting student with instruction in editing and proofreading in order to prepare a final California court transcript, deposition, hearing transcript or other related legal document.

CTRP 074 C CSR-RPR Exam Preparation**3 Units**

Term hours: 54 lecture. This course is designed to prepare the student to successfully pass the written portion of any or all of the following examinations: CSR and/or RPR. Pass/No Pass.

CTRP 076 C Court and Deposition Procedures**3 Units**

Term hours: 54 lecture. This course provides extensive training in court and deposition procedures with heavy emphasis on court structure, pre-trial and trial procedures, law office procedures, ethics, and document production.

CTRP 079 C Internship- CART**3 Units**

Term hours: 36 lecture and 54 laboratory. This course is designed to provide the CART (Communication Access Realtime Translation) student with practical work experience recording and reporting seminars, hearings, and lectures. Internships may be paid or unpaid. There will be 50 hours of internship plus 10 hours of observation.

CTRP 080 C Internship - Law Office**2 Units**

Term hours: 18 lecture and 54 laboratory. This course offers practical work experience in an approved law office in the County of Orange or Los Angeles. Internship will be scheduled during the semester, depending on available law office openings. This course fulfills partial requirements of the Law Office Administration degree and the Legal Administrative Assistant Certificate. 40 hours of internship in the field, along with 10 hours of observation.

CTRP 081 C Internship - Court Reporting**3 Units**

Prerequisite(s): CTRP 047 C with a grade of C or better

Term hours: 36 lecture depending on units attempted and forty hours in the courtroom or in deposition proceedings plus ten hours of observation. This course offers practical work experience in approved court and deposition proceedings. Internship will be scheduled during the semester, depending on available court and deposition openings. This course fulfills partial requirements of the Court Reporter's Board. Court Reporting Internships are unpaid. There will be 50 hours in the courtroom or in deposition proceedings, plus 10 hours of observation.

CTRP 083 C Computer Aided Transcription - Stenograph**2 Units**

Term hours: 18 lecture and 54 laboratory. This course uses computer-based instruction as well as hands-on applications to introduce the court reporting student to Stenograph Computer-Aided Transcription software.

CTRP 084 C Computer Aided Transcription - Eclipse**2 Units**

Term hours: 18 lecture and 54 laboratory. This course uses computer-based instruction as well as hands-on applications to introduce the court reporting student to ECLIPSE Computer-Aided Transcription software.

CTRP 085 C Computer Aided Transcription - Dictionary Building**2 Units**

Term hours: 18 lecture and 54 laboratory. This course will enable court reporting students to start building their personal dictionary using one of several CAT (Computer Aided Transcription) software systems.

CTRP 086 C Internship - Proofreading**1.5 Units**

Term hours: 18 lecture and 27 laboratory. This course offers practical work experience in proofreading in order to prepare court, deposition, and other legal documents. Internship will be scheduled within the court reporting community. Internships may be paid or unpaid. There will be 30 hours of internship required.

CTRP 087 C Internship - Hearing Reporter**3 Units**

Term hours: 36 lecture and 54 laboratory. This course offers practical work experience in the field of hearing reporting. Students will work in the field taking hearings, meetings, conferences, seminars, and workman's compensation proceedings. Internships may be paid or unpaid. There will be 50 hours internship, plus 10 hours of observation.

CTRP 088 C Internship - Captioning**3 Units**

Term hours: 36 lecture and 54 laboratory. This course offers practical work experience in the field of captioning, both on-line and off-line. Internship will be scheduled during the semester at various sites, including on-campus opportunities for development and perfection of captioning skills. A 15,000 word CAT dictionary is necessary to complete captioning projects. Internships may be paid or unpaid. There will be 50 hours of internship, plus 10 hours of observation.

CTRP 089 C Court-Conference Reporting: Literary II**3 Units**

Term hours: 36 hours lecture and 54 hours laboratory. This course is designed to prepare the student to record a variety of literary dictation material at speeds ranging from 140 to 180 wpm. Students will be introduced to a broad spectrum of vocabulary with special emphasis on topics that will lead to a career in Communication Access Realtime Translation (CART) reporting. Pass/No Pass/Letter Grade Option.

CTRP 090 C Court-Conference Reporting: Literary**3 Units**

Term: 36 hours lecture and 54 hours laboratory. This course is designed to prepare the student to record a variety of literary dictation material at speeds ranging from 110 to 150 wpm. Students will be introduced to a broad spectrum of vocabulary designed to prepare them for convention reporting, hearing reporting, steno interpreting, and other alternative careers.

CTRP 091 C Advanced Dictionary Build**2 Units**

Term hours: 18 lecture and 54 laboratory. This course is designed for court reporting students, working reporters and captionists in order to further develop, modify, and refine their personal dictionary using one of several Computer Aided Transcription software systems.

CTRP 093 C Information Technology-CTRP**2 Units**

Term hours: 36 lecture. This course is designed to introduce students to court reporting information technology, hardware technology, software applications, research links, auxiliary equipment, and CAT industry requirements. Pass/No Pass/Letter Grade Option.

CTRP 096 C Court-Conference Reporting: Literary III**3 Units**

Term: 36 lecture and 54 laboratory. This course is designed to prepare the student to record a variety of literary dictation material at speeds ranging from 180 to 220 wpm. Students will be introduced to a broad spectrum of vocabulary designed to prepare them for convention reporting, hearing reporting, steno interpreting, and closed captioning. Pass/No Pass or Letter Grade Option.

CTRP 097 C Internship - Scoping and Editing**1.5 Units**

Term hours: 18 lecture and 27 laboratory. This course offers practical work experience in scoping/editing in order to prepare court, deposition, and other legal documents. Internship will be scheduled with members of the court reporting community. Internships may be paid or unpaid. There will be 30 hours of internship required.

CTRP 098 C Court Reporting Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and 0-1296 laboratory depending on units attempted. This course will utilize a lecture and/or laboratory approach for students enrolled in the Court Reporting Program to increase their knowledge in applied areas. A variety of classes will be offered to increase the student's knowledge of the court reporting profession by updating content on recent changes and requirements and by preparing for new trends in court reporting. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration.

CTRP 099 C Court Reporting - Independent Study**2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 36 lecture. The instructor will devise learning strategies to be followed by the student. This course is designed for students who wish to gain further experience, knowledge, or expertise in applied areas of court reporting. Students must obtain permission from the program coordinator to be enrolled in this class. This course may be used to fulfill hour requirements as mandated by the Court Reporter's Board. Pass/No Pass.

CTRP 298 C Voice Writing Theory**3 Units**

Term: 36 lecture and 54 laboratory. This course is designed to train students using the necessary tools to apply computer-compatible voice writing theory to a computer-aided transcription software to produce written words. Three hours of observation required. Pass/No pass/ Letter grade option.

Cybersecurity (CYBR)

CYBR 100 F Cyber Hygiene**3 Units**

54 hours lecture per term. This course introduces the student to computer security topics on personal computers and on general Internet Security. Students will learn how to protect their own personal devices from malicious software to include trojans, malware, adware, viruses, and other dangerous exploitation software. Understand current hacking TTP's and approaches. Students will also learn to protect their personally identifiable information (PII) on the Internet, what regulation are for PII and CCPA, and how to securely send and protect data. (Degree Credit) (CSU)

CYBR 106 F Introduction to Cybersecurity**3 Units**

54 hours lecture per term. This course introduces students to the complex world of cyber security and technology. Students will analyze security problems and practice simulated security activities. Topics will address technologies and security related topics progressing from individual computers to more complex Internet-based systems. (Degree Credit) (CSU)

CYBR 206 F Ethical Hacking**3 Units**

Advisory: Basic knowledge of cybersecurity and networking concepts

54 hours lecture per term. This course is an introduction to hacking tools, techniques, and incident handling. Areas of instruction include the evolution of hacking and penetration testing; the basics of cryptology for information security; footprinting; vulnerability scanning and exploit; wireless, web, and database attacks; malware and system exploit; traffic analysis; incident response; and defensive technologies and controls. (Degree Credit) (CSU)

CYBR 210 F Network Security**3 Units**

Advisory: CIS 107 F and CIS 180 F

54 hours lecture per term. This course is designed to provide students with an overview of network security, and covers terminology, technology, and software to secure networks. Students will learn about communication security, infrastructure security and remote access. (Degree Credit) (CSU)

CYBR 220 F Introduction to Incident Response**3 Units**

Advisory: Possess a basic knowledge of networking concepts

54 hours lecture per term. This course teaches the student how to conduct incident response techniques and tools to investigate and reconstruct network-based data. Students learn the basic operation and structure of a computer network, the various network devices and their operation, and the tools used to investigate a network. Topics include trapping network data, retrieving and analyzing email, tracing network packets, and other security and forensic topics. (Degree Credit) (CSU)

CYBR 230 F Scripting Fundamentals**3 Units**

54 hours lecture per term. This course introduces selected scripting languages that automate many tasks in the cybersecurity, systems administration, and digital forensics field by including basic data types, control structures, regular expressions, input/output, and textual analysis. (Degree Credit) (CSU)

CYBR 233 F Application Security**3 Units**

54 hours lecture per term. This course introduces the concepts and best practices when securing applications starting with the Open Web Application Security Project (OWASP) top 10 vulnerabilities for websites and web applications. Development, Security, and IT Operations (DevSecOps) concepts will explore key components when identifying vulnerabilities. Hands-on exercises using industry-recognized tools for application security audit and assessment will help students develop skills in this area.

CYBR 260 F Cloud Security**3 Units**

54 hours lecture per term. This course prepares students to design secure solutions for Infrastructure as a Service (IaaS) architectures by provisioning computing instances, establishing virtual private networks, managing databases, and storage within a secure online cloud platform environment. Students produce secure solutions responsive to Zero Trust and computing technology workloads with on-demand pay-as-you-go pricing allowing flexibility for small business, entrepreneurship, and enterprise adoption. (Degree Credit) (CSU)

CYBR 290 F Management of Information Security**3 Units**

54 hours lecture per term. This course teaches students the organizational components and introduction into the overall management and communities of interest in the field of information security. (Degree Credit) (CSU)

Dance (DANC)

DANC 100 C Introduction to Dance Appreciation**3 Units**

Term hours: 45 lecture and 27 laboratory. The course is an overview of dance history, beginning with classical era, folk and ethnic dance. This course will survey the development of ballet, modern, jazz and other dance forms, focusing largely on the 20th century. Students will read, write and watch videos to form an overview of the history of dance and the historical events that influenced the major choreographers of the 20th century. Dance concert admission may not exceed \$30. (UC/CSU)

DANC 101 C Multicultural Dance in the US**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

Social and theatrical dances of the U.S. today will be viewed and examined in terms of cultural influences, historical and social origins, and the functions they fulfill for individual artists, their cultures, and society in general. African American, Asian, Hispanic, European and Native American dances, choreographers and dancers will be studied. The class work will include readings, discussions, group projects, and analysis of dance performances on video and live theater. Attendance at a selected group of performances is required. Cost of dance concert admission will not exceed \$40. (UC/CSU, AA GE, CalGETC)

DANC 102 C Pilates Mat Work**1 Unit**

Term hours: 54 laboratory. This class is designed to prepare a student mentally and physically for dance. Students will learn Pilates floor mat exercises and a floor barre to increase flexibility, strength, body alignment with emphasis on strengthening the core muscle groups. Dance Concert admission may not exceed \$30. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU)

DANC 105 C Ballet I**2 Units**

Term hours: 18 lecture and 54 laboratory. This course introduces the rudiments of classical ballet to the beginning dance student. The students will develop the strength and coordination to perform the technical skills of basic ballet through barre and center work and by learning simple movement combinations. Ballet terminology will be covered. Dance concert admission will not exceed \$30. Pass/No Pass/Letter Grade Option. Dance concert admission will not exceed \$30. (CSU/UC, AA GE)

DANC 106 C Ballet II**2 Units**

Prerequisite(s): Audition - demonstrate mastery of beginning level dance technique as provided by Title V

Term hours: 18 lecture and 54 laboratory. This course covers the rudiments of classical dance for the intermediate ballet student. The student will develop technical skills to perform intermediate level steps and combinations of movement. Classical dance terminology will be covered. Dance Concert admission will not exceed \$30. (UC/CSU, AA GE)

DANC 107 C Modern Dance I**2 Units**

Term hours: lecture 18 and 54 laboratory. This course uses a variety of music styles where students will learn and create dances that dynamically convey thoughts, feelings and ideas. Participation develops an expressive movement vocabulary while building strength and coordination. Dance concert admission will not exceed \$30. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

DANC 108 C Modern Dance II**2 Units**

Prerequisite(s): Audition - Demonstrated mastery of beginning level dance technique

Term hours: 18 lecture and 54 laboratory. This course uses a variety of music styles where students will learn and create intermediate level dances that convey thoughts, feelings and ideas. Students will broaden their movement range and become more coordinated and dynamic as movers. Dance concert admission will not exceed \$30. (UC/CSU, AA GE)

DANC 109 C Dance Improvisation**2 Units**

Term hours: lecture 18 and 54 laboratory. This course is designed to train the mind and body to respond and explore creative movement problems through improvisation. Choreographic concepts will be studied through improvisation. Pass/No Pass/Letter Grade Option. Dance Concert admission will not exceed \$30. (UC/CSU)

DANC 110 C Adaptive Dance**1 Unit**

Advisory: This course is designed, but not limited to, students with disabilities, registered with Disability Support Services (DSS)

Term hours: 54 lab. This course accommodates varied levels of abilities to elements of several types of dance, including modern and contact improvisation. Students will expand their movement vocabulary using breath, gravity, connectivity, musicality and space. The course will enhance self-confidence, dexterity, decision making and self-awareness through the usage of several factors involved in the pedagogical process. This course may be taken four times for credit. (UC/CSU, AA GE)

DANC 111 C Jazz Dance I**2 Units**

Term hours: 18 lecture and 54 laboratory. In this course, students will learn basic skills of jazz dance with emphasis on body alignment, strength and coordination. Dance Concert admission not to exceed \$30. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

DANC 112 C Jazz Dance II**2 Units**

Prerequisite(s): Audition - demonstrated mastery of beginning level dance techniques

Term hours: 18 lecture and 54 laboratory. In this course, students will further develop their technical skills for jazz dance and learn faster, more complicated movement combinations appropriate for the intermediate dancer. Dance concert admission will not exceed \$30. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

DANC 113 C Tap Dance I**1 Unit**

Term hours: 54 laboratory. In this course, students will study basic tap dance technique and elementary tap dances. The class provides students with the opportunity to develop coordination, rhythm and performance skills for tap dance. Some history of tap will be included. Cost of dance concert admission will not exceed \$30. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

DANC 114 C Tap Dance II**1 Unit**

Prerequisite(s): Audition - demonstrated mastery of beginning level dance technique

Term hours: 54 laboratory. In this course, students will develop skills in rhythm dancing by studying intermediate level movements and combinations with some provision for student composition of dance. Performance skills will be included. Dance Concert admission will not exceed \$30. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

DANC 115 C Hip Hop Dance**1 Unit**

Term hours: 54 laboratory. In this course, students will learn various forms of beginning hip-hop dance, including pop and lock, hip-hop funk, syncopations and rhythms. A basic history of hip-hop culture will be discussed. Pass/No Pass/Letter Grade Option. Dance concert admission will not exceed \$30. (CSU/UC, AA GE)

DANC 116 C Ballet III**2 Units**

Prerequisite(s): Audition - demonstrated mastery of beginning level dance technique as provided by Title V

Pass/No Pass/Letter Grade Option. Term hours: 18 lecture and 54 laboratory. In this course, students will learn the advanced ballet technique. The class may cover the advanced ballet technique on flat and pointe and may include partner work. Dance concert admission will not exceed \$30. (CSU/UC, AA GE)

DANC 117 C Modern Dance III**2 Units**

Prerequisite(s): Audition - demonstrate mastery of beginning/intermediate level dance technique

Pass/No Pass/Letter Grade Option. Term hours: 18 lecture and 54 laboratory. This course is designed for students with knowledge of intermediate level modern dance technique. Students will learn advanced modern dance technique that may include partnering. Dance Concert admission fees will not exceed \$30. (CSU/UC, AA GE)

DANC 130 C Afro-Caribbean Dance**1 Unit**

Term hours: 54 laboratory. In this course, students will learn the dance styles and rhythms of African and Caribbean cultures including dances from West Africa, Brazil, Trinidad, Haiti, Bahia, Cuba, and the Dominican Republic. Dance as an inseparable part of the culture will be discussed. Pass/No Pass/Letter Grade Option. Dance concert admission not to exceed \$30.00. (UC/CSU, AA GE)

DANC 131 C Ballet Folklorico**1 Unit**

Term Hours: 54 laboratory. Students will learn folk dances from various regions of Mexico such as Veracruz, Jalisco, and Puebla. The cultural background of each dance will be discussed. Dance concert admission not to exceed \$12. Pass/No Pass/Letter Grade Option. May be taken for credit 4 times.(CSU/UC).

DANC 136 C Middle Eastern Dance**1 Unit**

Term hours: 54 laboratory. In this course, students will learn the social and stage dances from the Near and Middle East. Course work includes styling, veil work, cymbal playing, improvisation, Dabke, fusion forms, vocabulary and cultural background of the dances. Dance concert admission not to exceed \$30. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

DANC 137 C Latin and Swing Dance**1 Unit**

Term hours: 54 laboratory. In this course, students will learn various Latin and swing dance forms such as east and west coast swing, salsa, cha-cha, and merengue. The course will focus on learning the choreography in each style while developing coordination, partnering and performances skills. Individual choreography will enhance the students' knowledge of each dance forms as well as encourage creativity. Pass/No Pass/Letter Grade Option. Dance Concert admission not to exceed \$30. (CSU/UC, AA GE)

DANC 140 C Summer Dance Festival I**1.5-2 Units**

Prerequisite(s): Audition

Pass/No Pass/Letter Grade Option Term hours: 81-108 laboratory TBA depending on units attempted. This course is designed to give both high school and college students the opportunity for intensive study of a variety of dance styles by taking technique classes while rehearsing choreography of faculty for the Summer Dance Festival. All phases of the dance performance techniques from audition to rehearsal to performance will be covered. (CSU/UC)

DANC 141 C Performance Class I (formerly DANC 204 C)**2-3 Units**

Prerequisite(s): Audition Advisory: Concurrent enrollment in DANC 203 C or THEA 149 C, or one from THEA 140 C through 147 C

Term hours: 108 - 162 laboratory. This course provides the experience of learning and performing choreographic works of faculty, students and guest artists. All phases of the performance process from audition to rehearsal to backstage preparation will be covered. Dance concert admission may not exceed \$30. (CSU/UC)

DANC 142 C Performance Class II**2-3 Units**

Prerequisite(s): Audition Advisory: THEA 149 C, THEA 150 C, THEA 151 C, THEA 152 C, DANC 203 C or one from THEA 140 C - THEA 147 C

Term hours: 108-162 laboratory depending on units attempted. This course concentrates on training students in the intermediate skills required for performing choreographic works of faculty, students and guest artists. All phases of the performance process from audition to rehearsal to backstage preparation will be covered. Dance concert admission may not exceed \$30. (CSU/UC)

DANC 143 C Performance Class III**2-3 Units**

Prerequisite(s): Audition Advisory: THEA 149, THEA 150 C, THEA 151 C, THEA 152 C, DANC 203 C or one from THEA 140 C - THEA 147 C

Term hours: 108-162 laboratory depending on units attempted. This course concentrates on training students in the advanced skills required for performing choreographic works of faculty, students and guest artists. All phases of the performance process from audition to rehearsal to backstage preparation will be covered. Dance concert admission may not exceed \$30. (UC/CSU)

DANC 144 C Performance Class IV**2-3 Units**

Prerequisite(s): Audition Advisory: THEA 149 C, THEA 150 C, THEA 151 C, THEA 152 C, DANC 203 C or one from THEA 140 C - THEA 147 C

Term hours: 108-162 laboratory depending on units attempted. This course concentrates on training students in the advanced skills required for performing and taking leadership roles in different aspects of the choreographic process of faculty, students and guest artists. All phases of the performance process from audition to rehearsal to backstage preparation will be covered. Dance concert admission may not exceed \$30. (UC/CSU)

DANC 145 C Summer Dance Festival II**1.5-2 Units**

Prerequisite(s): Audition

Term hours: 81-108 laboratory. The Summer Dance Festival II is designed to give both high school and college students the opportunity for intensive study of a variety of dance styles by taking intermediate technique classes while rehearsing choreography of Guest Artists and/or student choreographers. All phases of dance performance techniques from audition to rehearsal to performance will be covered. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE)

DANC 147 C Costume Design for Dance**3 Units**

Pass/No Pass/Letter Grade option. Term hours: 18 lecture and 108 laboratory. This course will cover the history of costume design for dance. Students will also learn the preliminary techniques for designing and executing costumes for dance. (UC/CSU)

DANC 149 C Light Design for Dance**3 Units**

Pass/No Pass/Letter Grade option. Term hours: 18 lecture and 108 laboratory. This course introduces the students to the history and the techniques of light designs that are specific for dance. (UC/CSU)

DANC 151 C Dance and Technology**2 Units**

Pass/No Pass/Letter Grade option. Term hours: 18 lecture and 54 laboratory. This course is designed for students with different or no technological experience. Class work will include the use of many technological devices including computers and tablets. Students will use technology to create choreography and other dance-related projects. This course will include a historical survey of the relationship between dance and multimedia, as well as contemporary applications. (UC/CSU)

DANC 202 C Elements of Choreography**2 Units**

Term hours: 36 lecture and 18 laboratory. In this course, students will study the theories and practices involved in basic dance composition. Methodologies will include elements of shape, space time, music, topics and other theories and dance styles that involve the creation of a dance. Cost of dance concert admission will not exceed \$30. (CSU/UC)

DANC 203 C Dance Production I**0.5-2 Units**

Pass/No Pass/Letter Grade Option. Term hours: 27-108 laboratory TBA depending on units attempted. This course offers practical experience in the technical aspects of dance production including costume design, set design, makeup, lighting, sound production, and publicity. (CSU/UC)

DANC 205 C Dance Ensemble**1-2 Units**

Term hours: 54-108 laboratory depending on units attempted. In this course, theater and dance students with intermediate to advanced skill levels will develop their performing and choreographic skills, perform at K-12 schools, community events, American Dance Festival and other dance festivals. This course may be taken four times for credit. (UC/CSU)

DANC 206 C Dance Production II**0.5-2 Units**

Prerequisite(s): Audition

Term hours: 27-108 laboratory. This course offers practical experience in the technical aspects of running crew for dance production including costume design, set design, makeup, lighting, and sound production. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE)

DANC 230 C Dance Teaching Methodologies**3 Units**

Term hours: 36 lecture and 54 laboratory. In this course, students will learn the appropriate teaching methodologies that can be applied in different instructional venues: schools, colleges and private studios, to name a few. Subject matter will include theoretical and practical applications of dance pedagogy. Cost of Dance Concert Admission not to exceed \$30. (CSU)

DANC 296 C Dance Open Laboratory**0.5-3 Units**

Prerequisite(s): Demonstrate mastery of beginning level dance technique

Term hours: 27-162 laboratory depending on units attempted. This is an open entry/open exit class for students to obtain production experience associated with dance concert through performing, choreographing, technical work, management, and publicity. Concert admission cost may not exceed \$30. Pass/No Pass/Letter Grade option. Open Entry/Open Exit. (UC/CSU)

DANC 298 C Dance Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 0-864 laboratory depending on units attempted. This seminar course provides the opportunity to study new dance styles or a variety of other subject matters related to dance that are not included in present curriculum. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration. (CSU)

DANC 299 C Dance Independent Study**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 18-72 Laboratory. This course is for advanced students who wish to increase their knowledge of dance and/or performance through individual study or research. Unit credit may range from one-half to two units in any given semester. May be taken for credit 4 times. (CSU)

Dental Assistant (DA)

DA 016 C Dental Materials**3 Units**

Prerequisite(s): Acceptance into the Dental Assisting Program

Term hours: 36 lecture and 54 laboratory. This course is a study of the structure, chemical and physical properties and manipulation of materials used in dentistry. Laboratory application of dental materials and the relationship of dental materials to the oral environment is included. Emphasis in this course is on specific materials and functions delegated to the registered dental assistant by the State of California. \$85 materials fee payable at registration.

DA 058 C Clinical Externship I**1.5 Units**

Prerequisite(s): Acceptance in the Dental Assisting Program and successful completion of all first semester courses

Term hours: 9 lecture and 72 clinical setting. This course is the first in a series of clinical externships. The emphasis is on the beginning level skills and training for the dental assistant. Dental Assisting students will complete clinical rotations in dental offices and/or schools of dentistry. A minimum of eight hours per week will be spent in the clinical setting.

DA 059 C Clinical Externship II**3.5 Units**

Prerequisite(s): Enrollment in the Dental Assisting Program and successful completion of all first semester courses

Term hours: 18 lecture and 144 clinical setting. This course is the second in a series of clinical externships. The emphasis is on advanced skills and training for the dental assistant. Dental Assisting students will complete clinical rotations in dental offices. A minimum of sixteen (16) hours per week will be spent in the clinical setting.

DA 061 C Oral Anatomy/Dental Assisting**3 Units**

Prerequisite(s): Acceptance into the Dental Assisting Program

Term hours: 54 lecture. This course is a study in dental anatomy and physiology, oral embryology, head and neck, tooth morphology and histology, occlusion and malocclusion, innervations of the oral cavity essential to the proper care of patients during clinical treatment. Emphasis is placed on the proper identification of dental structures within the oral cavity, and the recognition of normal occlusion in contrast to malocclusion.

DA 062 C Preventive Dental Health - Basics**3 Units**

Prerequisite(s): Acceptance in the Dental Assisting Program

Term hours: 36 lecture and 54 laboratory. This course deals with the concepts of preventive dental health and basics of dental assisting which includes applied nutrition, and patient education, dental and medical emergencies, taking and evaluating medical and dental histories, systemic diseases with dental care implications, principles and fundamentals of infection control, sterilization and disinfection in the dental environment, dental photography, and oral evacuation.

DA 063 C Chairside Assisting I**3 Units**

Prerequisite(s): Acceptance into the Dental Assisting Program

Term hours: 36 lecture and 54 laboratory. This course provides instruction in chairside assisting, which includes the history of dentistry, the dental team, pre-clinical knowledge and entry-level skills for the dental assistant in instrumentation, advancing to the application and principles of restorative dentistry and applying asepsis and infection control protocols during restorative dentistry. \$90 materials fee payable at registration.

DA 065 C Radiology and Dental Assisting**3 Units**

Prerequisite(s): Acceptance into the Dental Assisting program

Term hours: 36 lecture and 54 laboratory. Certification for Radiation Safety is within the required course term hours. The Radiation Safety hours are Lecture 8 hours, Laboratory 12 hours and Clinical 12 hours with patients. This course covers the didactic, pre-clinical work on mannequins and clinical instruction on patients as required by the California State Dental Practice Act in regard to radiation safety. Upon successful completion of the course, the student will be certified to take x-rays on patients in the dental office. \$74.00 Materials Fee - PAYABLE AT REGISTRATION.

DA 066 C Radiology II and Dental Assisting**1 Unit**

Prerequisite(s): Enrollment in the Dental Assisting Program

Term hours: 54 clinical laboratory. This course provides advanced instruction on the exposure of intraoral and extraoral radiographs. The bisecting technique, paralleling technique, panoramic technique and the use of dental radiology aids will be utilized. Emphasis in this course is placed upon the student's performance demonstrating the ability to consistently produce diagnostic radiographs. \$69 materials fee payable at registration.

DA 067 C Dental Specialties**3 Units**

Prerequisite(s): Enrollment in the Dental Assisting Program and successful completion of all first semester courses

Corequisite(s): DA 68-The Coronal Polish Course is a prerequisite to the Pit and Fissure Sealant Course

Term hours: 36 lecture and 54 laboratory. Certification for Pit and Fissure Sealants is within the required course term hours. The Pit and Fissure Sealant hours are Lecture 4 hours, Laboratory 4 hours and Clinical 8 hours with patients. This course provides instruction in the principles and procedures to function in the specialty area of dentistry: orthodontics, periodontics, endodontics, pediatric dentistry, prosthodontics, and oral surgery. It also provides information and clinical practice in those functions legally delegated to the Dental Assistant and Registered Dental Assistant in the California Dental Practice Act. It includes rules and regulations implemented by the Dental Board of California, pertaining to licensure. \$107.00 Materials Fee - PAYABLE AT REGISTRATION.

DA 068 C Chairside Assisting II**3 Units**

Prerequisite(s): Enrollment in the Dental Assisting Program and successful completion of all first semester courses

Term hours: 36 lecture and 54 laboratory. Certification for Coronal Polish is within the required course term hours. The coronal polish hours are 4 hours lecture, 4 hours laboratory and 4 hours clinical with patients. This course provides instruction in the principles, instrumentation, and procedures to function as a Registered Dental Assistant according to the legal stipulation in the California Dental Practice Act and implemented by the Dental Board of California.

DA 069 C Clinical Externship III**2.5 Units**

Prerequisite(s): Enrollment in the Dental Assisting Program and successful completion of all first semester courses

Term hours: 144 clinical setting. This course is the third in a series of clinical externships. The emphasis is on advanced skills and training for the dental assistant and registered dental assistant. Dental assisting students will complete clinical rotations in dental offices. A minimum of sixteen (16) hours per week will be spent in the clinical setting.

DA 070 C Dental Office Procedures**2 Units**

Prerequisite(s): Enrollment in the Dental Assisting Program and successful completion of all first semester courses

Term hours: 36 lecture. This course is designed to provide instruction, both didactic and practical application, in the skills and responsibilities of a dental administrative assistant. In addition, the students will be trained to use the Dentrax Dental Software program to become knowledgeable in all areas of practice management utilizing the computer. These areas include patient files, charting and treatment planning, appointment scheduling, reports and insurance claim processing. \$5 materials fee payable at registration.

DA 099 C Dental Assisting Independent Study**3 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Pass/No Pass/Letter Grade Option. Term hours: 54 hours of scheduled conferences or clinics per term according to instructor. This course is designed for students with background/experience in Dental Assisting who wish to increase their knowledge and experience in applied areas. Students will participate in independent study on assigned areas under staff supervision. Course may be taken four times for credit.

Dental Hygiene (DH)

DH 100 C Introduction to Dental Hygiene

1.5 Units

Prerequisite(s): Provisional acceptance into the Cypress College Bachelor of Science degree in Dental Hygiene program and is required for registration in this course

Term hours: 27 lecture and 18 laboratory. Introduction to the profession of dental hygiene. Emphasis on dental terminology, communication skills, legal and ethical aspects of dental hygiene practice and licensing requirements. An overview of dental hygiene clinical and lab technique including infection control, basic dental hygiene instrumentation, and examination of the head and neck. This is a prerequisite course for the Dental Hygiene Program. Pass/No Pass. \$20.00 Material Fee-Payable at Registration. (CSU)

DH 101 C Dental Anatomy and Morphology

2 Units

Prerequisite(s): Admission to and enrollment in the Dental Hygiene Program and all Dental Hygiene Program first semester courses

Term hours: 36 lecture. This course presents a study in dental anatomy, morphology, and occlusion essential to the proper care of patients during the clinical dental hygiene process of care. An emphasis will be placed on the proper identification of oral and dental structures, the utilization of proper terminology, the recognition of normal occlusion in contrast to malocclusion and the clinical significance of temporomandibular joint dysfunction. (CSU)

DH 104 C Oral Health Assessment

3 Units

Prerequisite(s): Admission to and enrollment in the Dental Hygiene Program and all first semester courses

Term hours: 54 lecture. This course is a multifaceted course that presents foundation information skills for the beginning student clinician to utilize daily in the direct patient dental hygiene process of care. Primarily, it is an introduction to the recognition, gathering and interpretation of assessment data as an aid to formulating electronic dental hygiene treatment plans. In addition, it provides the basics to dental disease prevention through the dissemination and application of existing dental health knowledge through instruction. (CSU)

DH 105 C Oral Embryology and Histology (formerly DH 205 C)

2 Units

Prerequisite(s): Admission to and enrollment in the Dental Hygiene Program

Term hours: 36 lecture. This course is an introduction to the microscopic characteristics of the tissues, histology, and embryology of the head and neck with an emphasis of the structure of the oral cavity. (CSU)

DH 106 C Radiology Technician - Hygienists

3 Units

Prerequisite(s): Admission to and enrollment in the Dental Hygiene Program and all Dental Hygiene Program first semester courses

Term hours: 36 lecture and 54 laboratory. This course for dental hygiene students includes didactic and preclinical instruction in the essentials of dental radiography. Lecture emphasizes the technical aspects of radiation production, protection against the hazards of radiation, and utilization of radiographs during patient care. The laboratory provides demonstrations and practical application in the fundamentals of intraoral and extraoral radiographic techniques, processing, mounting and identification of normal anatomical landmarks. \$123 materials fee payable at registration. (CSU)

DH 109 C Pre-Clinical Dental Hygiene

5 Units

Prerequisite(s): Admission to and enrollment in the Dental Hygiene Program and all first semester courses

Term hours: 54 lecture and 108 laboratory. This is the first in a series of four courses designed to prepare the student for the clinical dental hygiene process of care. Content emphasis includes bloodborne and infectious disease exposure, care and operation of dental equipment, identification, purpose and function of basic instrumentation skills, instrument sharpening, polishing agents and methods, topical fluoride application, entry level clinic electronic forms and procedures, clinic duties, and clinical practice utilizing examination procedures and basic instrumentation techniques on student patient partners and periodontal typodonts/manikins. \$68 materials fee payable at registration. (CSU)

DH 110 C Clinical Dental Hygiene

7 Units

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all first semester courses

Term hours: 36 lecture and 54 laboratory and 216 clinical hours. This is the second in a series of four courses designed to prepare the student for clinical dental hygiene process of care. Emphasis is placed on perfecting oral inspection and medical/dental health history documentation, and developing dental hygiene process of care treatment plans, and electronic charting. Additional course content includes: introduction to universal and Gracey curette instrumentation, sickle scaler, sharpening techniques, root debridement techniques, oral and subgingival irrigation, gingival curettage, introduction to ultrasonic instrumentation, AIRFLOW, root desensitizing, ACTEON camera, Enterprise dental software. Clinical skills will be demonstrated and evaluated on clinical patients appointed in the Cypress College Dental Hygiene Clinic. Materials Fee \$149-Payable at Registration (CSU).

DH 112 C Head and Neck Anatomy (formerly DH 212 C)

2 Units

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of first semester courses

Term hours: 36 lecture. This course is a study of the gross and anatomical structures of the head and neck. The relationship and function of the organs of the head and neck in the human body are studied, with an emphasis on structures and innervations of the oral cavity. (CSU)

DH 113 C General and Oral Pathology

2 Units

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all first semester courses

Term hours: 36 lecture. This course introduces students to concepts of oral pathology and specific pathologic processes, including inflammatory and immunologic defenses, as well as neoplastic, metabolic, inherited and developmental disturbances. A summary of each condition is presented and includes information to aid the Dental Hygienist in developing a clinically useful differential assessment. (CSU)

DH 116 C Dental Materials - Hygienists

2.5 Units

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all first semester courses

Term hours: 27 lecture and 72 laboratory. This course is designed to provide the student with a study of structure, chemical and physical properties, and manipulation of materials used in dentistry will be covered. Laboratory application of dental materials and the relationship of dental materials to the oral environment is included. Emphasis will be placed on specific materials and functions delegated to the dental hygienist by the Dental Board of California and Dental Hygiene Board of California. \$102 materials fee payable at registration. (CSU)

DH 125 C Perio Pathology and Therapy**2 Units**

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all first semester dental hygiene courses

Term hours: 36 lecture. This course is designed to provide the dental hygiene student with current theory in periodontics. The healthy periodontium as well as the diseased states will be explored. New surgical concepts and techniques in periodontics will be discussed. The management of periodontics in clinical treatment and dental hygiene process of care will be emphasized. (CSU)

**DH 148 C Infection and Hazard Control and Medical and Dental
Emergencies Management (formerly DH 248 C)**
2 Units

Prerequisite(s): Admission to and enrollment in the Dental Hygiene Program

Term hours: 36 lecture. This course will provide the student with the basic principles in management of infection and hazard control and medical and dental emergencies in the dental care setting. Infection control content includes bloodborne and infectious disease exposure, application of universal precautions, OSHA, and CDC guidelines as it pertains in oral health care services to patients. In addition, basic knowledge and skills related to preparedness for the prevention of medical emergencies, clinical signs and symptoms, and emergency treatment of the condition will be included in this course. (CSU)

DH 205 C Oral Embryology and Histology**2 Units**

Prerequisite(s): Admission to and enrollment in the Dental Hygiene Program

Term hours: 36 lecture and 54 laboratory. This course is an introduction to the microscopic characteristics of the tissues, histology, and embryology of the head and neck with an emphasis of the structure of the oral cavity. (CSU)

DH 220 C Clinical Dental Hygiene**6.5 Units**

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all second semester courses

Term hours: 27 lecture and 288 laboratory. This is the third in a series of four courses designed to prepare the student for clinical dental hygiene process of care. Lecture and clinical instruction will be applied by experience on clinical patients in the Cypress College Dental Hygiene Clinic facility. An emphasis will be placed on the assimilation and utilization of previous instruction and demonstration of progressive learning. This course also emphasizes the performance of those expanded duties in dental hygiene as allowed by the California State Dental Practice Act, Dental Hygiene Board of California, and the progressive development of professional and managerial skills. \$149 materials fee payable at registration. (CSU)

DH 221 C Clinical Dental Hygiene**6.5 Units**

Prerequisite(s): Enrollment in the Dental Hygiene program and successful completion of all third semester courses

Term hours: 27 lecture and 288 laboratory. This is the final course in clinical dental hygiene process of care and to provide students advanced instruction in patient care. Lecture and clinical instruction will be applied by clinical experience on clinical patients in the Cypress College Dental facility. An emphasis will be placed on: (1) periodontal therapy, (2) supportive periodontal treatment, (3) expanded and supportive periodontal treatment, (4) expanded and supportive procedures, (5) treatment assessment and planning, (6) organization and implementation of a Student Research presentation/Table Clinic, and (7) the completion and presentation of a Periodontal Case Presentation of extensive and comprehensive dental hygiene process of care of a patient. \$50 materials fee payable at registration. (CSU)

DH 230 C Dental Specialties**2 Units**

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all third semester courses

Term hours: 36 lecture. This course is a study of the dental hygienist's role within the various Dental Specialties. Each dental specialty practice is studied to establish a proper perspective of dental hygiene in relationship to dentistry and to have a greater comprehension of total patient care. (CSU)

DH 240 C Community Oral Health I**2 Units**

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all second semester courses

Term hours: 36 lecture. This is the first of two courses designed to provide the student with the knowledge and experience necessary to work within the community in the area of public health. Emphasis will be placed on the understanding of developing a community health project, use of statistics, and the development of teaching strategies for use in the classroom. Students are expected to work with target groups within the community. (CSU)

DH 241 C Community Oral Health II**2 Units**

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all third semester courses

Term hours: 36 lecture. This course is the second of two courses in Community Oral Health to develop principles and practices of dental public health. Emphasis of instruction will be placed on community-wide problems such as water fluoridation and the delivery of care. Students will participate in target groups within the community. (CSU)

**DH 245 C Dental Ethics and Legal Principles (formerly Dental
Jurisprudence)**
2 Units

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all third semester courses

Term hours: 36 lecture. This course offers a study of the fundamental factors necessary to conduct a well-regulated practice based on sound dental practice management principles within the legal and ethical framework of the California Dental Practice Act. Emphasis is placed on the historical aspects of dental hygiene, the ethical and legal responsibilities of the dental hygienist, allowable duties, interpersonal relations among members of the dental team, and patient-office relationships. (CSU)

DH 250 C Pharmacology**2 Units**

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all second semester courses

Term hours: 36 lecture. This course includes the principles of drug interaction with living tissue (pharmacodynamics) and the time course of drugs within living organisms (pharmacokinetics); drug effects on the cardiovascular, autonomic, and central nervous systems; drug management of anxiety, pain and infection as related to dental practice and the harmful aspects of drugs (toxicology). (CSU)

DH 255 C Dental Anesthesiology**3 Units**

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all second semester courses

Term hours: 36 lecture and 72 laboratory. This course includes the theory and techniques of administration of local anesthesia and sedation in dentistry as related to the California State Dental Practice Act and Dental Hygiene Board of California. The student will administer local anesthesia and nitrous oxide-oxygen sedation in the clinical setting as a component of comprehensive patient care. \$20 materials fee payable at registration. (CSU)

DH 260 C Dental Care for Special Patients (formerly Dental Care for Special Needs) 2 Units

Prerequisite(s): Enrollment in the Dental Hygiene Program and successful completion of all second semester courses

Term hours: 36 lecture. This course is designed to provide the student a study in the needs of the medically compromised, older adult patient, and the mentally and physically challenged patient. Emphasis will be placed on therapeutic techniques in assessing and treating special patients and the barriers and access to oral health care in the dental setting. (CSU)

DH 275 C Clinical Dental Hygiene 1A 0.5 Units

Prerequisite(s): DH 110 C with a grade of C or better

Term hours: 27 laboratory. This is a clinical course in dental hygiene designed to provide students advanced instruction in dental hygiene process of care. An emphasis will be placed on treatment planning, assessment, and clinical instrumentation. This course provides the student with 27 hours of clinical instruction. Pass/No Pass option only. (CSU)

DH 276 C Clinical Dental Hygiene 2A 0.5 Units

Prerequisite(s): DH 275 C

Term hours: 27 laboratory. This is a clinical/laboratory course in dental hygiene designed to provide students advanced instruction in patient care. An emphasis will be placed on treatment planning, and advanced instrumentation for clinical dental hygiene and board preparation. Pass/No Pass. (CSU).

DH 299 C Dental Hygiene Independent Study 0.5-2 Units

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 9-36 lecture and/or 0-108 laboratory depending on units attempted. This course is designed for students enrolled in the Dental Hygiene Program who wish to increase their knowledge and experience in applied areas. Students will participate in independent study on assigned areas under staff supervision. May be taken for credit 3 times. Pass/No Pass/Letter Grade Option. (CSU)

Diagnostic Medical Sonography (DMS)

DMS 160 C Introduction to Sonography 2 Units

Prerequisite(s): RADT 142 C and RADT 153 C and HS 145 C and HS 147 C and BIOL 210 C and CIS 111 C, with a grade of C or better, and ENGL C1000 or ENGL C1000E or ESL 110 C or COMM C1000, and any Math meeting GE requirements with a grade of C or better

Term hours 27 lecture and 27 laboratory. This course is designed for the student who has been accepted to the diagnostic medical sonography program. Basic sonography theory is taught with emphasis on sonographic terminology and equipment manipulation. Anatomy identification, scanning planes, transducer orientation, ergonomics, and scanning protocols are included. \$14 materials fee payable at registration. (CSU)

DMS 163 C Scanning Lab I 1 Unit

Corequisite(s): DMS 170 C, DMS 172 C and DMS 175 C.

Pre-requisites: Grade C or better in DMS 160 C. Term hours: 72 laboratory. This hands-on sonographic scanning lab focuses on the knowledge, skills, and techniques for acquisition of appropriate sonographic protocols and image optimization of the abdominal vasculature, liver, biliary system, pancreas, renal system, spleen, and retroperitoneum. Color and spectral Doppler techniques will also be applied to the anatomy. (CSU)

DMS 165 C Ethical and Legal Issues 1.5 Units

Formerly: HS 165 C Term hours: 27 lecture. This course will focus on making ethical choices in health care. An introduction to legal terminology, concepts, and principles will be presented. Topics include misconduct, malpractice, legal and professional standards and the scope of practice. The importance of proper documentation and informed consent is emphasized. The student will examine a variety of ethical issues and dilemmas found in clinical practice. The rights and responsibilities of patients and health care professionals will be examined. (CSU)

DMS 170 C Sonography Physics 3.5 Units

Prerequisite(s): A minimum grade of C in DMS 160 C and RADT 142 C or a minimum grade of C in PHYS 130 C

Term hours: 63 lecture. This course will provide lecture and demonstrations covering the areas of acoustical physics, propagation principles, transducers, machine instrumentation, hemodynamics, harmonics, doppler principles, biological effects, artifacts, and quality control. (CSU)

DMS 172 C Sonography Externship 4 Units

Prerequisite(s): Acceptance to the DMS Program and a minimum grade of C in DMS 160 C, RADT 153 C, HS 147 C

Co-Requisites DMS 170 C and 175 C Term hours: 256 laboratory TBA. This course is designed to acclimate the sonography student to the hospital setting, sonography department, and the sonography profession. The student is expected to complete a minimum of 256 hours of clinical training at an affiliated hospital. Topics include hospital orientation, HIPAA regulations, SDMS code of ethics, sonography ergonomics, and basic scanning techniques and protocols. (CSU)

DMS 175 C Abdomen Sonography 4 Units

Prerequisite(s): Minimum grades of C in DMS 160 C and RADT 153 C and HS 147 C.

Corequisite(s): DMS 170 C and DMS 172 C.

Term hours: 63 lecture and 27 laboratory. This course will provide a study of the clinical applications of abdomen sonography. It will include abdominal vasculature; liver; gallbladder and biliary system; pancreas; spleen; and kidneys. Interpretation of clinical laboratory tests, related clinical signs and symptoms, and normal and abnormal sonographic patterns will be discussed. This course includes a lab section on basic scanning techniques and protocol. (CSU).

DMS 176 C Pathology and Small Parts 3 Units

Prerequisite(s): DMS 170 C, DMS 172 C, DMS 175 C, DMS 165 C and RADT 262 C, with a grade of C or better

Corequisite(s): DMS 186 C and DMS 207 C

Term hours: 54 lecture. This course will discuss the manifestations of abdominal pathology and disease conditions and their relevance to sonographic procedures including hemodynamic changes. The student will describe abdomen scanning techniques and procedures appropriate for the disease process. Normal anatomy, scanning technique, and pathology of small parts is included as well as neonatal imaging. The course will support the student in the clinical phase of sonographic training. Sonographic technique and actual pathologic cases will be discussed. (CSU)

DMS 183 C Scanning Lab II 1 Unit

Pre-requisites: DMS 170 C, DMS 172 C and DMS 175 C with a C or better. Co-requisites : DMS 176 C, DMS 186 C, and DMS 207 C. Term hours: 72 laboratory. This hands-on sonographic scanning lab focuses on the knowledge, skills, and techniques for acquisition of appropriate sonographic protocols and image optimization of the thyroid, lymph nodes, gastrointestinal track, ovaries, uterus, and bladder along with obstetric simulation. Color and spectral Doppler techniques will also be applied to the anatomy. (CSU)

DMS 186 C Obstetric and Gynecology Sonography 4 Units

Prerequisite(s): DMS 170 C and DMS 172 C and DMS 175 C, with a grade of C or better

Corequisite(s): Completion of or concurrent enrollment in DMS 176 C and DMS 207 C with a grade of C or better

Term hours: 72 lecture. This obstetric/gynecology sonography course is a study of the pregnant and non-pregnant female reproductive system. This includes an assessment of fetal gestational age, fetal anatomy and pathology, as well as, associated maternal conditions. Gynecological sonography includes normal female anatomy along with pathological processes. Topics of discussion include related clinical symptoms, sonographic appearances, scanning techniques and protocols, and laboratory tests. This course includes a demonstration section on basic scanning techniques and protocol. (CSU)

DMS 188 C Venous Doppler Ultrasound 1.5 Units

Prerequisite(s): DMS 176 C or DMS 186 C and DMS 207 C, with a grade of C or better

Corequisite(s): DMS 217 C

Term hours: 27 lecture. This course includes vascular scanning techniques related to upper and lower extremity venous sonographic exams. (CSU)

DMS 195 C Carotid and Arterial Sonography 4 Units

Prerequisite(s): DMS 188 C and DMS 217 C, with a grade of C or better

Corequisite(s): DMS 227 C with a grade of C or better

Term hours: 54 lecture and 27 laboratory. This course includes Doppler criteria related to carotid and arterial sonographic exams. (CSU)

DMS 207 C Clinical Education I 8 Units

Prerequisite(s): Satisfactory completion of the first (Fall) semester of the Diagnostic Medical Sonography Program and DMS 172 C with a grade of C or better

Term hours: 480 laboratory TBA. This course offers a minimum of 480 hours of clinical experience at an affiliated hospital. This course will provide basic instruction and scanning experiences in abdomen sonography. The student will be able to demonstrate the ability to perform sonographic examinations of the abdomen according to the protocols established by the program and clinical education center utilizing sonography equipment. (CSU)

DMS 210 C Advanced Sonography Topics 3 Units

Prerequisite(s): DMS 195 C and DMS 227 C with grades of C or better

Corequisite(s): DMS 237 C

Term hours: 54 lecture. This course will cover advanced topics in sonography including: pediatrics, interventional, musculoskeletal, and ergonomics. The student will achieve an in-depth comprehension and an increased level of understanding of these advanced sonographic techniques. Additionally, review of abdomen, small parts, vascular, obstetrics and gynecology will be included to help prepare the student for the American Registry of Diagnostic Medical Sonography exams. (CSU)

DMS 217 C Clinical Education II 7 Units

Prerequisite(s): DMS 176 C, DMS 186 C, and DMS 207 C with a grade of C or better.

Corequisite(s): DMS 188 C.

Term hours: 384 laboratory. This course requires a minimum of 384 hours of clinical experience at an affiliated hospital/medical center. This course will provide basic instruction and scanning experiences in breast, thyroid, scrotum, and doppler sonography. The student will be able to demonstrate the ability to perform sonographic examinations of small parts according to the protocols established by the program and clinical education center utilizing sonography equipment. (CSU)

DMS 227 C Clinical Training III 11 Units

Prerequisite(s): DMS 188 C and DMS 217 C with a grade of C or better

Term hours: 616 laboratory. This course requires a minimum of 616 hours of clinical training at an affiliated hospital/medical center. This course will provide the basic instruction and scanning experiences in obstetrics and gynecology sonography. The student will be able to demonstrate the ability to perform sonographic examinations of the gravid and non gravid pelvis according to the protocols established by the program and clinical education center utilizing sonography equipment with both transabdominal and endocavity transducers. (CSU)

DMS 237 C Clinical Education IV 11 Units

Prerequisite(s): DMS 227 C and DMS 195 C, with a grade of C or better

Corequisite(s): DMS 210 C with a grade of C or better

Term hours: 612 laboratory. This course requires a minimum of 612 hours of clinical training at an affiliated hospital/medical center. This course will provide basic instruction and scanning experiences in vascular sonography. (CSU)

Disability Studies (DSST)

Division: Counseling

DSST 120 C The History of Disability in the United States 3 Units

Advisory: Eligibility of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term Hours: 54 Lecture. This course places the experiences of people with disabilities at the center of the American story. It portrays a new perspective on familiar stories, as well as discussing new experiences (e.g. ableism and oralism). This course covers topics including models of disability, technology, rehabilitation and employment, and laws and movements that shaped the disability experience. (UC/CSU, AA GE, CalGETC).

DSST 150 C Disability Perspectives of Inclusive Education 3 Units

Advisory: Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C Term hours: 54 lecture

This course will journey through the experience of students with disabilities in higher education. It will explore the instructor perspective, including how they accommodate and communicate with students. (CSU/UC)

DSST 200 C Introduction to Disability Studies 3 Units

Advisory: ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

This course provides students with an overview of the Disability Studies field. Students gain introductory knowledge about disability as a social, cultural, historical and political phenomenon. Students learn varying disability definitions, cultural meanings and representations, social justice and human rights issues, and current bioethical debates related to disability. (UC/CSU, AA GE, CalGETC)

Economics (ECON)

ECON 100 C Principles of Economics-Macro

3 Units

Prerequisite(s): Intermediate Algebra or equivalent with a grade of C or better

Term hours: 54 lecture. The course concentrates on macroeconomics analysis. Topics emphasized are aggregate supply/demand concepts, economic aggregates and the overall functioning of the American economy, with special emphasis on the role of the government. The course includes national income accounting, employment theory, business cycles, fiscal and monetary policy and economic growth. Duplicate credit not granted for ECON 100HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: ECON 202)

ECON 100HC Honors Princ of Econ-Macro

3 Units

Prerequisite(s): Intermediate Algebra or equivalent with a grade of C or better

Term hours: 54 lecture. This Honors-enhanced course is a study of macroeconomics, focusing on the structure and operation of the American economy. Special topics include simulated practice of fiscal and monetary policy, and web-site updates of statistical economics. Duplicate credit not granted for ECON 100 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: ECON 202)

ECON 105 C Principles of Economics-Micro

3 Units

Prerequisite(s): Intermediate Algebra or equivalent with a grade of C or better

Term hours: 54 lecture. This course concentrates on microeconomic analysis. Topics emphasized are basic structure of the United States economic system, and interrelationships within this structure. The course includes a study of supply and demand, price determination, the market models, resource pricing and allocation, comparative economic systems, and foreign trade/exchange analysis. Duplicate credit not granted for ECON 105HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: ECON 201)

ECON 105HC Honors Princ of Econ - Micro

3 Units

Prerequisite(s): Intermediate Algebra or equivalent with a grade of C or better

Term hours: 54 lecture. This Honors-enhanced course is a study of microeconomics analysis with special attention given to web-based interactive material on topics such as: price determination; the market models; comparative economic analysis; and international trade and finance. Duplicate credit not granted for ECON 105 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: ECON 201)

ECON 110 C Survey of Economics

3 Units

Term hours: 54 lecture. This course is a survey of the American Economic System using basic economic concepts to explain a wide variety of economic applications. It includes production and cost, competition and market structure, market failure and externalities, and the labor market as the microeconomic topics. As macroeconomic topics, it includes national income, unemployment and inflation. It also discusses the economic growth and economic fluctuations issues, Monetary and fiscal policy, and international trade and finance. Economics 110 C does not meet the course requirement for majors in economics and business administration. (No UC credit if taken after ECON 100 C or ECON 100HC or ECON 105 C or ECON 105HC. UC Credit Limitation/CSU, AA GE, CalGETC)

ECON 120 C International Economics

3 Units

Prerequisite(s): ECON 100 C with a grade of C or better

Term hours: 54 lecture. This course will discuss institutions in the global economy, international trade and labor and environmental standards, trade and balance of payments, exchange rate and exchange rate systems, international financial crisis, economic integration in North America, The European Union, Trade and policy reforms in Latin America, Export-Oriented growth in East Asia. (UC/CSU, AA GE, CalGETC)

ECON 130 C Consumer Economics

3 Units

Term Hours: 54 lecture. This course explains the role of consumer behavior, consumer theories and models, consumer protection and law, government protection, decision making and advertising, issues on health and wellness, sustainability and safety, issues of internet, technology, and identity theft, legal rights and responsibilities, marketing and advertising. Consumer issues, ethics and globalization will also be emphasized. Economics 130 C does not meet the course requirement for majors in economics and business administration. (UC/CSU, AA/AS GE, CalGETC)

ECON 298 C Economics Seminar

0.5-12 Units

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings in a particular semester. May be taken for credit 1-4 times. Pass/No Pass or Pass/No Pass/Letter Grade Option or Standard Letter Grade. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

ECON 299 C Economics Independent Study

1 Unit

Prerequisite(s): Dean Approved Independent Study Learning Contract

Term hours: 54 laboratory Independent study is for able students who wish to extend their knowledge of a particular area through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so that they could learn more regarding their special topic. May be taken for credit 3 times. (CSU)

Education (EDU)

EDU 200 C Elementary School Teaching

3 Units

Advisory: Completion of COUN 110 C Term hours: 36 lecture and 54 laboratory

This course provides an overview of the teaching profession for students who are considering a career in elementary school teaching. The course will address the philosophies of education, the history of education in America, the sociology of education, contemporary issues in education, and the role of education in American society. In addition, students will gain experience through 45 hours of required fieldwork in K-6 elementary classrooms. (UC/CSU, C-ID:EDUC 200)

EDU 225 C Secondary School Teaching**3 Units****Advisory:** COUN 110 C History, philosophy, and sociology of secondary education

Term hours: 45 lecture and 45 laboratory Introduction to the California Teaching Performance Expectations and Assessment; needs of special populations, English learners, and struggling readers; content standards; and major curriculum reform documents. In addition, students will gain experience through 45 hours of required fieldwork in secondary classrooms. Students will divide the 45 hours as follows: 30 hours at one site and 15 hours in various other sites/activities for diversity. (UC/CSU)

Energy and Sustainable Tech (EST)

EST 100 C Renewable and Sustainable Energy**3 Units**

Term hours: 54 lecture and 18 laboratory. This course investigates the potential of renewable energy technologies for sustainable environmental and economic problems within society. Areas of investigation include solar energy, wind power, hydro-power, geothermal, fuel cells, biomass, and ocean wave power. Also addressed are conventional energy sources including oil, coal, natural gas, and nuclear energy. Consideration given to related issues such as costs, system efficiencies, emissions and other environmental impacts, financing incentives, and the regulatory and market forces impacting the alternative energy industry. Students will learn how to assess the viability of incorporating renewable technology, such as solar or wind power, for residential and commercial applications. (UC/CSU)

EST 110 C Climate Change & Global Responsibility**3 Units**

Term hours: 27 54 lecture and 27 18 laboratory. Formerly: EST 110 C Tools and Safety This course provides an introduction to the essential roles of energy in Nature and human activity. It is an interdisciplinary general education course intended for all students who desire basic understanding of the forms and applications of energy and their influence on the development of civilization, geopolitics, economics and our environment. In addition to traditional sources of energy, special emphasis is given to renewable energy. Field trips may be arranged. etc. (CSU)

EST 120 C Energy Efficiency 1-Sustainable Building Science**3 Units**

Formerly EST 120 Digital Controls and Inverters Term hours: 27 lecture and 81 laboratory. This course will present basic energy concepts lighting fundamentals, energy utilities and rates, and identification of opportunities for efficiency changes in buildings. Topics include scientific principles of energy, light and heat, energy codes and standards, metering and monitoring. Students will examine the economic, regulatory, and infrastructure issues affecting implementation of energy efficiency measures as well as their potential for solving energy and environmental problems, and Energy Sustainability Technology. (CSU)

EST 130 C Energy Efficiency 2-Sustainable Commercial Building Science**3 Units****Advisory:** EST 120 C

Formerly: EST 130 C Solar Photovoltaics-install Term hours: 27 lecture and 81 laboratory. This course examines energy efficiency concepts as they apply to reductions in energy consumption for commercial buildings. Assessment of building performance related to design, construction, and operation will be analyzed. Students will examine various gas and electric rate options, HVAC systems and types of high-intensity lighting. Load profiles, calculating return on investment, and life-cycle cost of commercial building energy retrofit measures are explored. (CSU)

EST 135 C Solar Concentrators -Hot Water**3 Units**

Term hours: 27 lecture and 81 laboratory. In this course, students will learn theory, setting, design, procurement and techniques required to install and maintain a solar hot water system. Examine passive/active, unglazed/ glazed, evacuated tube, and concentrated solar technologies, optimal designs, alternative space heating, building codes, utility conservation programs, and site and federal incentives. (CSU)

Engineering (ENGR)

ENGR 102 C Engineering Design Graphics**3 Units**

Term hours: 36 lecture and 72 laboratory. This is an introductory course which utilizes drafting and the CAD system for engineering applications, graphics concepts and visualization. Graphic expressions using CAD software, with emphasis on 2D drawings that includes architectural and industrial practice involving orthogonal projection of parts, assembly drawings, standards, tolerances, and surface finishes. Also, focus other attributes of drawings, production drawings, and projects involving complete design of systems and subsystems. (CSU/UC, C-ID: ENGR 150=ENGR 102 C + ENGR 205 C)

ENGR 110 C Introduction to Engineering**3 Units**

Prerequisite(s): Intermediate Algebra or MATH 115C with a grade of C or better

Term Hours: 54 lecture. This course is an introduction to engineering as a profession and its associated career responsibilities and opportunities. It also presents an overview of functions of an engineer and different related industries, different engineering discipline; illustrates opportunities and challenges in the engineering profession and provides tools for becoming a successful student. Students learn about current trends and issues in engineering career and academic options. This course also explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. Presents an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Develops communication skills pertinent to the engineering profession. Representatives from industry and academic institutions present overviews of the engineering field and describe potential job opportunities. Field trips to various companies and engineering facilities provide an insight into different aspects of engineering. This course includes the application of engineering and scientific problem solving methods to introductory mechanics and electricity. It also meets requirements for credit in Engineering. Duplicate credit not granted for ENGT 110 C. Pass/No Pass/Letter Grade Option. (UC/CSU, C-ID:ENGR 110)

ENGR 201 C Statics**3 Units**

Prerequisite(s): ENGR 110 C, PHYS 221 C, and MATH 150BC with a grade of C or better

Term hours: 54 lecture. This course includes the study of properties of forces, moments, couples and resultants; two- and three-dimensional force systems acting on engineering structures in equilibrium; analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, center of gravity, centroids, friction, and area and mass moments of inertia. Optional additional topics include fluid statics, cables, Mohr's circle and virtual work. (UC/CSU, C-ID:ENGR 130).

ENGR 205 C Advanced 3D Solid Modeling and Simulation 3 Units

Prerequisite(s): ENGR 102 C and MATH 142 C, with a grade of C or better
 Term Hours: 36 lecture and 72 laboratory. This advanced course starts with sketches and proceeds to solid modeling, simulation, animation and motion analysis, creation of bill of material, conversion to stereolithography files and G-codes for rapid prototyping purposes, with emphasis on industrial practice involving component and assembly modeling for actual products. Standards, Tolerances, surface finishes and other attributes of drawings to be addressed with projects involving systems and subsystems. (CSU/UC, C-ID: ENGR 150=ENGR 102 C + ENGR 205 C)

ENGR 210 C Electric Circuits Analysis 5 Units

Prerequisite(s): PHYS 222 C and ENGR 110 C, with a grade of C or better
Corequisite(s): MATH 250BC

Term hours: 72 lecture and 54 laboratory. This course consists of an introduction to analysis of circuits under steady state and transient conditions. Analysis techniques include nodal analysis, loop analysis, superposition method, Thevenin's Theorem, Norton's Theorem and source transformation. RLC circuits are analyzed under DC, AC – steady state and transient conditions using multiple methods including bode diagrams, Fourier and Laplace transforms. Also consists of an analysis of circuits under steady state and transient conditions; network theorems, RLC circuits analyzed under DC, AC-steady state and transient conditions using multiple methods. (CSU/UC, C-ID: ENGR 260, ENGR 260L)

ENGR 220 C Programming and Problem-Solving in MATLAB 3 Units

Prerequisite(s): MATH 150AC with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course utilizes the MATLAB environment to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. It introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics. (UC/CSU, C-ID: ENGR 220)

ENGR 299 C Engineering Independent Study 0.5-2 Units

Prerequisite(s): Approved Independent Study Contract

Term hours: 0-36 lecture and/or 0-108 laboratory depending on units attempted. This course is for students who wish to increase their knowledge of engineering design and testing process through individual study, research or internships may enroll in this class. Permission of the instructor is required along with a contract outlining a student's independent work and the supervision of the instructor. Pass/No Pass/Letter Grade Option. (UC/CSU Credit Limitation)

Engineering Technology (ENGT)

ENGT 103 C Introduction to Embedded Systems 3 Units

Term hours: 54 lecture and 18 laboratory. This course provides an introduction to the foundational aspects of industrial automation, robotics, mechatronics, and computer integrated manufacturing. This course covers terminology, components, standards and methodologies in the process of design and implementation of advanced automated systems. It is intended for technicians, operators, designers, sales personnel, and other technical/automation professionals who are responsible for the operation, design, installation, and maintenance of such systems. (CSU).

ENGT 105 C Instrumentation and Process Control 3 Units

Term Hours: 54 lecture and 18 laboratory. This course covers the basic principles of process instrumentation, measurement, and control. Topics include properties of and methods to perform direct or inferred measurement to manage pressure, temperature, level, and flow to manage the operation of common final control elements. The course helps to identify and to configure basic open and closed-loop control algorithms with their associated communication methods. (CSU)

ENGT 107 C Electricity and Electronics 3 Units

Term hours: 36 lecture and 54 laboratory. This course is an introduction to electricity and electronics. It covers basic Electrical concepts such as direct current (DC), alternating current (AC) theories, (DC) and (AC) circuit types and circuit analysis, power generation and transmission. Components and applicable laws are also introduced in this course. Other topics to be covered are electronic components, as well as the conventional analog circuits used in electronic devices, including power supplies, amplifiers, power-handling circuits, filters, sensing and measurement circuits, and oscillators. An introduction to digital electronics, devices, and digital signal processing is also covered. (CSU)

ENGT 109 C CAD/CAM in Advanced Manufacturing 4 Units

Term hours: 54 lecture and 54 laboratory. This is a course in Computer Aided Design and Manufacturing. It starts with the introduction of the engineering design process and explains conceptualization and prototyping with the aid of CAD systems. The students learn about blueprint reading, creating sketches and proceeding to solid modeling. In CAM section of the class students will learn the set-up, operation and programming of a computer numerical control lathe. The use of manual programming techniques to produce a part program with standard G & M codes, utilizing 3 axis CNC Vertical Machining Centers. Content will include exposure to current industry tool types, speeds and feeds, cutter compensation, canned cycles, drilling and tapping cycles. Instruction in the use of CAM software is included. (CSU).

ENGT 115 C Electric Motors and Controls 3 Units

Prerequisite(s): ENGT 103 C and ENGT 107 C with a grade of C or better.

Term hours: 54 lecture and 18 laboratory. This course is an introduction to the motors, different control mechanism and their classifications. It covers the basic principles, applications, and configuration of direct current and alternating current motors, motor starters, programmable modules, solid state, and electro-mechanical motor controllers/drives, input devices, relays, pilot devices, and other industrial electronic components and circuitry. (CSU)

ENGT 120 C Mechanical Systems 3 Units

Prerequisite(s): ENGT 103 C and ENGT 105 C with a grade of C or better.

Term hours: 54 lecture and 18 laboratory. This course provides students with the fundamental knowledge about mechanical components in a mechatronics system and skills necessary to install and maintain those components. It begins with an overview of Statics and Kinetics, which includes force system analysis, study of equilibrium, frames and machines, friction and effects of forces on the motion of objects and then moves to maintenance scheduling, hand and power tool use, power transmission systems, bearings, lubrication, couplings, pumps, alignment, and vibration analyzers within an automated or mechatronics system. (CSU)

ENGT 125 C Hydraulic and Pneumatic Systems**3 Units****Prerequisite(s):** ENGT 103 C and ENGT 105 C with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This course covers the basics of hydraulic, pneumatic, and electro-pneumatic control circuits in a complex mechatronic system. Students will learn the functions and properties of control elements based on physical principles, and the roles they play within the system. Technical documentation such as data sheets, circuit diagrams, displacement step diagrams, and function charts will also be covered. (CSU)

ENGT 150 C Digital Fundamentals and PLC Programming**4 Units****Prerequisite(s):** ENGT 103 C and ENGT 107 C with a grade of C or better.

Term hours: 54 lecture and 54 laboratory. This course is an introduction to the function and application of programmable logic controllers. Students will become familiar with the development of ladder logic diagrams for PLC applications, test input, and output configurations, create a communications configuration, design and save a motor control program, and adequately document the programming and the program file. Students also learn about programming and wiring of programmable logic controllers and software. Topics include bit-level input and output instructions, timers, counters, latches, documentation, and troubleshooting. (CSU)

ENGT 160 C Industrial Data Network and HMI**3 Units****Prerequisite(s):** ENGT 103 C and ENGT 150 C with a grade of C or better.

Term hours: 54 lecture and 18 laboratory. This course introduces the principles of industrial communication, components, products, and systems to ensure an efficient integration of all sections of the industrial plant into one coherent system. System-wide, high-performance data networks will be implemented to meet the requirements of the industry by means of appropriate components based on proven standards. Elements of commercial and industrial electronic communications, transmission line characteristics, sensors, fiber-optic cabling, and systems, and other non-radio-based communication topics will be covered in this course. (CSU)

ENGT 210 C Principles of Robotics Systems**3 Units****Prerequisite(s):** ENGT 103 C with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This course offers a glance at the history of robotics and their evolution through time and evaluates how robots are used in industry. Through the course, different classes of robots are introduced, and students will become familiar with the basics of modeling, design, planning, and control of robot systems. The material provided in this course is a brief survey of relevant results from geometry, kinematics, statics, dynamics, and control. (CSU)

ENGT 225 C Robot and Automation Programming**4 Units****Prerequisite(s):** ENGT 150 C and ENGT 160 C and ENGT 210 C with a grade of C or better.

Term hours: 54 lecture and 54 laboratory. This course provides the students with the fundamental education in writing programs for embedded systems controlled by microcontrollers, PLC(s) and computers such as robots and other computer integrated systems. Students will acquire knowledge of work object frames, jogging the robots in multiple coordinate systems with the aid of program structure using modules and routines. Different programs such as C, Python, Matlab, AutoML, etc. will be introduced and reviewed. (CSU)

ENGT 240 C Advanced Robotics (formerly Electronics and Circuits)**3 Units****Prerequisite(s):** ENGT 109 C and ENGT 225 C with a grade of C or better.

Term hours: 54 lecture and 18 laboratory. This course is the last of the three series in Robotics and focuses on actuator design, embedded computing, and complex response processes. Concepts of dynamic response as relates to vibration and motion planning will be presented. The principles of operation and interface methods with various actuators will be discussed, including pneumatic, magnetic, piezoelectric, linear, stepper, etc. Complex feedback mechanisms will be implemented using software executing in an embedded system. The necessary concepts for real-time processor programming, re-entrant code and interrupt signaling will be introduced. (CSU)

ENGT 250 C Industrial Maintenance and Safety**3 Units****Prerequisite(s):** ENGT 115 C and ENGT 120 C and ENGT 125 C with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This course is designed to meet the training needs of plant maintenance personnel engaged in the day-to-day troubleshooting and fault correction of industrial electrical and mechanical equipment. It is appropriate for mechatronics maintenance personnel in need of a review of electro-mechanical basics and an introduction to more complicated industrial controls and test equipment. It also aims to promote the highest degree of the physical, mental and social well-being of workers in an industrial plant through discussion of OSHA requirements for safety. (CSU)

ENGT 255 C Integrated Automation Systems**3 Units****Prerequisite(s):** ENGT 160 C with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This course introduces the concept of Totally Integrated Automation within a manufacturing plant by looking at the automation pyramid emphasizing on Manufacturing Technologies, including CNC, CAM, and CIM. Micro-controllers, microprocessor architecture and ways of interaction between these and all other components will be discussed, and students can practice the theories through hands-on projects and digital simulation. (CSU).

ENGT 265 C Manufacturing Operation Management**3 Units****Prerequisite(s):** ENGT 109 C with a grade of C or better

Term hours: 54 lecture and 18 laboratory. This course is designed to assist students gain an in-depth understanding of the technologies, processes, financial factors, and critical strategies that help with sustainability, productivity, and competitiveness in manufacturing by introducing a methodology for viewing the end-to-end of a manufacturing process through the application of theories and simulation. The students become familiar with Product Life-cycle Management to coordinate the information, processes, and people associated with the life-cycle of a product to achieve fewer production errors, fewer cycle iterations with the goal of ultimately increasing speed from design to market. (CSU)

ENGT 290 C Industry 4.0, IIoT, Digitization**3 Units****Prerequisite(s):** ENGT 255 C and ENGT 265 C with a grade of C or better.

Term hours: 54 lecture and 18 laboratory. This class discusses the latest topics in technology and their effect on manufacturing. The main focus of this course would be Industry 4.0 or The Fourth Industrial Revolution that takes the automation of manufacturing processes to a new level by introducing customized and flexible mass production technologies, where the machines will operate independently, or cooperate with humans in creating a customer-oriented production field that continually works on maintaining itself. Among topics covered in this class are plant digitization, Industrial Internet of things, Augmented Reality, Machine Learning, and other advanced topics. (CSU)

English (ENGL)

ENGL N01 C Supervised Tutoring - English

0 Hours

NON-CREDIT COURSE. Term hours: 18-48. This course provides individual units of study which may focus on improvement in reading, writing, grammar, research, critical thinking, or study skills, based on individual students' needs. Students wishing to use the English Success Center must enroll in this course.

ENGL C1000 Academic Reading and Writing (formerly: ENGL 100 C College Writing)

4 Units

Prerequisite(s): Placement as determined by the college's multiple measures assessment process

Term Hours: 72 lecture. In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. English C1000 is a college level course in written communication. It is designed to develop reading, critical thinking, and writing strategies necessary for academic success. The emphasis is on writing expository essays. The course requires the use of research and documentation skills. Duplicate credit not granted for ENGL C1000H. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID:ENGL 100).

ENGL C1000H Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)

4 Units

Prerequisite(s): Placement as determined by the college's multiple measures assessment process

Term Hours: 72 lecture.. In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This is an honors course. ENGLISH C1000H is a college level course enhanced for Honors students. The emphasis is on reading and writing expository essays. The course will develop increased critical thinking, reading and writing skills. The class will be conducted as a seminar and will require a significant research project that uses correct documentation skills. Duplicate credit not granted for ENGL C1000. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID:ENGL 100).

ENGL C1000E Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)

5 Units

Prerequisite(s): Placement as determined by the college's multiple measures assessment process

Term hours: 90 Lecture. In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This course includes embedded support. This course in college-level composition is designed to develop the reading, critical thinking, and writing strategies necessary for academic success. The emphasis is on reading and writing expository essays. The course includes research and documentation skills. This course includes a fifth hour of instruction per week to help students develop the reading, writing, and study skills necessary for academic success (CSU/UC, AA GE, Cal-GETC, C-ID: ENGL 100).

ENGL 102 C Introduction to Literature

3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is a continuation of ENGL C1000. It builds from the inferential reading and expository writing of the first semester course to demonstrate reading comprehension as well as composition of the analytical and critical essay. The content introduces students to techniques and major authors of narrative fiction, drama, and poetry, providing them with an opportunity to enrich their lives, enhance their understanding of the human condition, and develop an appreciation of literature. (UC/CSU, AA GE, CalGETC, RDG, C-ID: ENGL 120)

ENGL 102HC Honors Introduction to Literature

3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This Honors enhanced course is a continuation of ENGL C1000 or ENGL C1000H. It builds from the inferential reading and expository writing of the first semester course to demonstrate reading comprehension as well as composition of the analytical and critical essay. The content introduces students to techniques and major authors of narrative fiction, drama, and poetry, providing them with an opportunity to enrich their lives, enhance their understanding of the human condition, and develop an appreciation of literature. The class is conducted as a seminar and will require additional writing and documented research assignments. Duplicate credit not granted for ENGL 102. (UC/CSU, RDG, C-ID:ENGL 120)

ENGL C1001 Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing)

4 Units

Prerequisite(s): College-level composition (ENGL C1000/ENGL C1000H/ ENGLC1000E/C-ID ENGL 100) or equivalent or ESL 110 C with a grade of C or better

Term Hours: 72 Lecture. In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. This course is designed to develop critical thinking, reading, and writing skills beyond the level achieved in ENGL C1000. The course will focus on the development of logical reasoning and analytical and argumentative writing skills. (UC/CSU, AA GE, Cal-GETC, RDG, C-ID: ENGL 105).

ENGL C1001H Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)

4 Units

Prerequisite(s): College-level composition (ENGL C1000/ENGL C1000H/ ENGLC1000E/C-ID ENGL 100) or equivalent or ESL 110 C with a grade of C or better

Term hours: 72 lecture. In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. This is an honors course. This Honors enhanced course is designed to develop critical thinking, reading, and writing skills beyond the level achieved in ENGL C1000. The course will focus on the enhanced development of logical reasoning and analytical and argumentative writing skills. Writing expanded argumentative research essays, and utilizing enhanced research strategies and documentation skills will be required. Duplicate credit not granted for ENGL C1001. (UC/CSU, AA GE, Cal-GETC, RDG, C-ID:ENGL 105).

ENGL 104 C Critical Analysis and Literature**4 Units**

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 72 lecture. This course will develop critical thinking, reading and writing skills as they apply to the analysis of literature and literary criticism from diverse cultural sources and perspectives. There will be an emphasis on the techniques and principles of effective written argument as they apply to literature. Students will demonstrate this understanding by writing and critiquing essays and utilizing research strategies. Duplicate credit not granted for ENGL 104HC. (UC Credit Limitation/CSU, AA GE, CalGETC, RDG, C-ID:ENGL 110)

ENGL 104HC Honors Critical Analysis and Literature**4 Units**

Prerequisite(s): EENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 72 lecture. This Honors enhanced course focuses on developing increased critical thinking, reading and writing skills as they apply to the analysis of literature and literary criticism. Writing expanded argumentative research essays, and utilizing enhanced research strategies and documentation skills will be required. The class will be conducted as a seminar. Duplicate credit not granted for ENGL 104 C. (UC Credit Limitation/CSU, AA GE, CalGETC, RDG, C-ID:ENGL 110)

ENGL 105 C Introduction to Creative Writing**3 Units**

Advisory: ENGL 102 C OR ENGL 102HC with a grade of C or better

Term hours: 72 lecture. This course provides an opportunity for students to write short fiction, poetry, and, optionally, a short play. Students will gain an understanding of each literary type, create material in each area, and have their work critiqued in a workshop setting. (UC/CSU, C-ID:ENGL 200)

ENGL 108 C Writing the Personal Statement**0.5 Units**

Prerequisite(s): ENGL C1000 or ENGL C1000H or ENGL C1000E or ESL 110 C with a grade of C or better

Term hours: 9 lecture. This course will teach students how to write effective personal statements on their transfer applications to four-year institutions. Content strategies and essay format will be discussed, and opportunities for multiple drafts will be engaged. Pass/No Pass only. (CSU)

ENGL 110 C Humanities - Ancient and Medieval**3 Units**

Prerequisite(s): Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a survey of the development of Western culture with a focus upon its Greco-Roman roots, and a study of other important influences, including African and Middle Eastern. The course covers prehistory to the Renaissance, with an emphasis on the arts. Duplicate credit not granted for INDS 100 C. Cost for museum visits not to exceed \$15.00.(CSU/UC).

ENGL 111 C Humanities - Renaissance - Present (same as INDS 101 C)**3 Units**

Prerequisite(s): Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a survey of the development of Western culture from the Renaissance to the present, including a study of other important influences from Africa, the Middle East, North and South America, with an emphasis on the arts. Duplicate credit not granted for INDS 101 C. Cost for museum visits not to exceed \$15.00. (UC/CSU, AA GE, CalGETC)

ENGL 125 C The Film**3 Units**

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is a critical study of film that will develop critical thinking and writing skills. Students will study the elements of filmmaking and the historical development of film. Film as a story telling art form will be emphasized. Ten to twelve films will be shown in class for analysis and discussion. Students will be expected to watch and study several additional films outside of class. Duplicate credit not granted for ENGL 125HC. (UC Credit Limitation/CSU, AA GE, CalGETC).

ENGL 125HC Honors Film**3 Units**

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is a critical study of film as a story telling art form enhanced for Honors students. Students study the elements of cinematic storytelling, film's dependence on literature, and the historical development of film. Ten to twelve short and feature films are shown in the course for discussion and analysis. The course is taught in a seminar format. Duplicated credit not granted for ENGL 125 C. (UC Credit Limitation/CSU, AA GE, CalGETC).

ENGL 126 C Introduction to Screenwriting**3 Units**

Advisory: ENGL 102 C or ENGL 102HC and ENGL 105 C with a grade of C or better

Term hours: 54 lecture. This course provides students the opportunity to study the art of the screenplay and create their own. Students will critically analyze professional models, view excellent examples of film writing, and work on their own screenplay. Students will have the opportunity to have their work critiqued in a workshop setting. (CSU/UC, AA GE)

ENGL 127 C Introduction to Poetry Writing**3 Units**

Advisories: ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C and ENGL 102 C or ENGL 102 HC and ENGL 105 C. Term hours: 54 Lecture. Students will read and analyze classic and contemporary forms, techniques, and literary elements of poetry. Students will write their own original poetry, which will be critiqued in a workshop setting. (CSU/UC, AA GE, CalGETC)

ENGL 128 C Introduction to Short Story Writing**3 Units**

Advisories: ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C and ENGL 102 C or ENGL 102HC and ENGL 105 C. Term hours: 54 lecture. In this course students will write original short stories while studying the evolution of the form and its narratological techniques and literary elements, including the form's place in a variety of literary genres. Students will critique each other's work in a workshop setting. (AA GE, CSU/UC)

ENGL 129 C Introduction to Novel Writing**3 Units**

Advisory: ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C and ENGL 102 C or ENGL 102HC and ENGL 105 C

Term hours: 54 lecture. This course offers an intensive workshop for drafting a novel. The course focuses on theory, technique, and the practical discipline of writing a novel-length manuscript, and examines models from various genres (literary, historical fiction, detective/noir, science-fiction, fantasy, and hybrid or experimental works that challenge genre). Students discuss the techniques of storytelling and present manuscripts of one's own work for critical discussion. (CSU)

ENGL 130 C Introduction to Creative Nonfiction Writing 3 Units

Advisories: ENGL C1000 (ENGL C1000), or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E), or ESL 110 C and ENGL 102 C or ENGL 102HC and ENGL 105 C. Term hours: 54 lecture. In this course, students will write original works of creative nonfiction while studying the evolution of the form and its narratological techniques and literary elements, including the form's place in a variety of literary genres. Students will critique each other's work in a workshop setting. (UC/CSU, AA GE)

ENGL 135 C Grammar and Usage 3 Units

Term hours: 54 lecture. This is a course in English grammar and usage. Students will learn about the origins and development of the English language. Parts of speech, parts of sentences, verb tenses, sentence types, syntax, and standard usage will be emphasized. Students will demonstrate their understanding of English grammar and usage by analyzing standard written English. This course is useful for English, journalism, foreign language, and court reporting students and especially for those planning to enter elementary or secondary teaching. (CSU).

ENGL 137 C College Study Strategies 3 Units

Term hours: 54 lecture. The purpose of this course is to assist students in mastering effective learning and critical thinking strategies crucial for academic success and professional and personal growth. Academic and professional reading, time management, goal setting and motivation, learning styles, stress management, note-taking, concentration, memory, test preparation, and test-taking strategies are primary topics. Pass/No Pass/Letter Grade Option. (CSU/UC)

ENGL 208 C Asian American Literature 3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is a study of Asian American literature. Students will explore and analyze a variety of social and political issues, such as gender relationships, family relationships, cultural traditions, cultural conflicts, culinary traditions, and stereotypes from an Asian-American perspective. This course is designed to enhance cultural awareness and understanding, while also facilitating personal enrichment through the exploration of a variety of literary sources, including fiction, drama, poetry, journals, biography, and film. (UC/CSU, AA GE, CalGETC)

ENGL 211 C English Literature to 1760 3 Units

Prerequisite(s): ENGL C1000 or ENGL C1000H or ENGL C1000E or ESL 110 C, with a grade of C or better

Advisory: ENGL 102 C

Term hours: 54 lecture. This course is an introduction to the major periods and movements, major authors, and major forms from the beginning of English literature to 1760. It covers works such as Beowulf and Sir Gawain and the Green Knight, as well as works from authors such as Marie de France, Chaucer, Marlowe, Shakespeare, Donne, Milton, Pope, and Swift. (UC/CSU, AA GE, CSU GE, IGETC, C-ID: ENGL 160 [ENGL-LIT 160])

ENGL 212 C English Literature Since 1760 3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C **Advisory:** ENGL 102 C

Term hours: 54 lecture. The course is an introduction to the major periods and movements, major authors, and major forms from 1760 to the present. It considers literary trends and historical backgrounds from the Romantic, Victorian, Modern, and Postmodern eras. It covers fiction, poetry, drama, and prose from such authors as Wollstonecraft, Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Browning, Dickens, Wilde, Joyce, Hopkins, Yeats, Eliot, Woolf, and Beckett. (UC/CSU, AA GE, CalGETC, C-ID: ENGL 165)

ENGL 221 C American Literature to 1865 3 Units

Prerequisite(s): ENGL C1000 or ENGL C1000H or ENGL C1000E or ESL 110 C, with a grade of C or better

Advisory: ENGL 102 C

Term hours: 54 lecture. This course is a survey of the literature of American writers from the Colonial Period to 1865. It is designed to increase understanding and appreciation of the development of American culture and literary achievements. A diversity of writings will be included to reflect the various subjects and styles that comprise the development of American Literature. (CSU/UC, AA GE, CSU GE, IGETC, C-ID: ENGL 130)

ENGL 222 C American Literature Since 1865 3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term Hours: 54 lecture. This course is a survey of the literature of American writers from 1865 to the present. It is designed to increase understanding and appreciation of the development of American culture and literary achievements. A diversity of writings will be included to reflect the various subjects and styles that comprise the development of American Literature. (UC/CSU, AA GE, CalGETC, C-ID: ENGL 135)

ENGL 223 C World Literature to 1650 3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is a comparative study of selected works, in translation and in English, of literature from around the world—including Europe, the Middle East, Asia, and other areas—from antiquity to the mid-17th century. (CSU/UC, AA GE, CalGETC)

ENGL 224 C World Literature Since 1650 3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is a comparative study of selected works, in translation and in English, of literature from around the world—including Europe, the Middle East, Asia, and other areas—from 1650 to the present. (CSU/UC, AA GE, CalGETC)

ENGL 225 C Literary Journal Publication 3 Units

Advisories: ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C and ENGL 102 C or ENGL 102HC and ENGL 105 C. Term hours: 54 lecture. This course provides instruction and experience in literary journal editing and publication. Students will solicit, select, proofread, and edit submissions in fiction and creative non-fiction for the Cypress College literary journals. Students will design and compose layout, oversee the editing and publication process, and coordinate distribution. (CSU/UC).

ENGL 226 C Intermediate Screenwriting 3 Units

Prerequisite(s): ENGL 126 C with a grade of C or better.

Term hours: 54 lecture. This course offers an intensive intermediate-level screenwriting workshop atmosphere emphasizing the skill and understanding of structure, character, and story. Students will work towards completing act two of an original screenplay with the goal of eventually developing an effective and marketable sample of work. In addition, students learn to write critiques demonstrating an intermediate knowledge of screenwriting techniques and TV/film industry parlance. (CSU)

ENGL 228 C Intermediate Short Story Writing**3 Units****Prerequisite(s):** ENGL 128 C with a grade of C or better.

Term hours: 54 lecture. This course offers an intensive workshop atmosphere in which to write original short fiction and focuses on theory, technique and practical discipline of writing fiction. It also examines basic models of short stories. Students discuss the techniques of storytelling and present manuscripts of their own work for critical discussion. In addition, students learn to write critiques demonstrating an intermediate knowledge of literary technique and terminology. (CSU/UC)

ENGL 234 C Shakespeare**3 Units****Prerequisite(s):** Prerequisite: ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is an introduction to the major works of William Shakespeare. The emphasis is upon the plays and includes a study of selected comedies, histories, and the major tragedies. Ten to twelve plays will be studied along with a selection of the sonnets. Duplicate credit not granted for ENGL 234HC. (CSU/UC Credit Limitation, AA GE, CalGETC)

ENGL 234HC Honors Shakespeare**3 Units****Prerequisite(s):** ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This is a college level course enhanced for Honors students. The emphasis is on developing increased critical thinking, reading, and writing skills as they apply to an analysis of William Shakespeare's sonnets and his major plays, both as texts and in performance. The class will be conducted as a seminar. Duplicate credit not granted for ENGL 234 C. (UC Credit Limitation/CSU, AA GE, CalGETC)

ENGL 239 C Survey - Children's Literature**3 Units****Prerequisite(s):** Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course surveys the historical and cultural development of children's literature throughout the world, while emphasizing the important role that literature must assume in the social, emotional, and intellectual development of children. Tracing the multicultural origins of the oral tradition to the current standards of written excellence and pictorial artistry, this course concentrates on the nursery rhymes, poetry, folk tales, myth, sacred literature, picture books, juvenile literature, and non-fiction. Comparative and critical approaches are used to analyze children's literature from a multicultural perspective. (UC/CSU, AA GE, CalGETC, C-ID:ENGL 180)

ENGL 243 C Mythology**3 Units****Prerequisite(s):** ENGL C1000 or ENGL C1000H or ENGL C1000E or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is an introductory study of the mythology and folklore of the world including such cultures as Egyptian, Babylonian, Greek, Norse, Hindu, Chinese, Scandinavian, Native American, Central and South American, and African. This course will include a comparative study of mythic elements and patterns with their modern parallels. (UC/CSU)

ENGL 248 C Science Fiction**3 Units****Prerequisite(s):** ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better**Advisory:** ENGL 102 C or ENGL 102HC

Term hours: 54 lecture. This course is a survey of science fiction and speculative fiction. This course emphasizes the literary, social, economic, cultural and environmental contexts of representative works and traces the development of the genre from early scientific romances and speculative works through current trends. (UC/CSU, AA GE, CalGETC)

ENGL 249 C Fantasy Fiction**3 Units****Prerequisite(s):** ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better**Advisory:** ENGL 102 C or ENGL 102HC

Term hours: 54 lecture. This course is a survey of fantasy fiction. This course emphasizes the social evolution and artistic development of the genre from its mythic origins to its contemporary varieties. (CSU/UC, AA GE, CalGETC)

ENGL 250 C Latino-a-x Literature**3 Units****Prerequisite(s):** ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course surveys Latino/a/x literature from the Indigenous Mesoamericans, to the Spanish colonization period, through the present day. Students will explore and analyze a variety of social and political issues, such as gender relationships, family relationships, cultural traditions, cultural conflicts, culinary traditions, and stereotypes from a Latino/a/x-American perspective. Students will read major literary classics as well as the works of previously less recognized writers of Latino/a/x fiction, poetry, drama, and prose. (CSU/UC, AA GE, CalGETC)

ENGL 255 C African-American Literature I**3 Units****Prerequisite(s):** ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is an in-depth analysis of the African and African-American literary diaspora, which explores autobiography, letters, poems, narratives, prose and other folk traditions from the colonial period through the Reconstruction era in the United States. This course is designed to expose students to the literature and social issues of Africans in America. (UC/CSU, AA GE, CalGETC)

ENGL 256 C African-American Literature II**3 Units****Prerequisite(s):** ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is an in-depth analysis of the African-American literary diaspora, which explores autobiography, letters, poems, plays, prose and other folk traditions from the Reconstruction era to the present in the United States. This course is designed to expose students to the literature and social issues of Africans in America. (UC/CSU, AA GE, CalGETC)

ENGL 260 C Survey of Arabic Literature (in translation) 3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is a survey of Arabic literature in translation. Students will explore and analyze many of the social, political, and cultural issues through a focus on continuity and change, influence, and major trends. This course is designed to provide students with a foundational knowledge of Arabic literature in translation and enhance cultural awareness and understanding, while also facilitating personal enrichment through the exploration of a variety of literary sources, including fiction, drama, and poetry. Duplicate credit not granted for ENGL 260HC. (UC/CSU, AA GE, CalGETC)

ENGL 260HC Honors Survey of Arabic Literature 3 Units

Prerequisite(s): ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is a college level course enhanced for honors students. This course is a survey of Arabic literature in translation. Students will explore and analyze many of the social, political, and cultural issues through a focus on continuity and change, influence, and major trends. This course is designed to provide students with a foundational knowledge of Arabic literature in translation and enhance cultural awareness and understanding, while also facilitating personal enrichment through the exploration of a variety of literary sources, including fiction, drama, and poetry. Duplicate credit not granted for ENGL 260 C. (CSU/UC, AA GE, CalGETC)

ENGL 298 C Language Arts Seminar 0.5-12 Units

Term hours: 9-216 lecture depending on units attempted. This seminar course is for able students who wish to extend their knowledge of literature, language and culture through small group discussion. Subject matter may concern the work of one author or the literary or cultural characteristics of a particular movement or period. Pass/No Pass or Letter Grade Option. (UC Credit Limitation/CSU)

ENGL 299 C Language Arts Independent Study 0.5-2 Units

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 9-36 conference depending on units attempted. This course is for students who wish to increase their knowledge of literature and/or language through individual study or research. Unit credit may range from 1/2 to 2 units in any given semester. May be taken for credit 3 times. (UC Credit Limitation/CSU)

ENGL 310 C Advanced Writing in the Health Sciences 4 Units

Prerequisite(s): ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C with a grade of C or better.

Term Hours: 72 lecture. This course provides an overview of writing for students in health sciences. It will include effective workplace/professional writing and critical evaluation of discipline specific texts. The class will also include research writing, grant writing and appropriate documentation skills. This course is designed for science majors. Enrollment limited to those accepted into the baccalaureate degree pilot program. (CSU)

English as a Second Language (ESL)

ESL 051 C Intermediate Pronunciation 2 Units

Advisory: Recommend eligibility for ESL 105 C

Term hours: 36 lecture. This course is designed to build knowledge of and provide practice with American English pronunciation to help students reduce communication breakdowns and increase confidence in oral expression. Degree Credit. PASS/NO PASS/LETTER GRADE OPTION.

ESL 052 C Intermediate ESL Grammar 1 3 Units

Term Hours: 54 lecture. This course is designed for intermediate academic ESL students to increase their knowledge and usage of English grammar with particular emphasis on verb tense, verb form, verbals and verb phrase structure in writing. (Non-Degree Credit) Pass/No Pass/Letter Grade Option.

ESL 053 C Intermediate ESL Grammar 2 3 Units

Term Hours: 54 lecture. This course is designed for intermediate academic ESL students to increase their knowledge and use of English with particular emphasis on sentence parts, sentence types, punctuation and editing skills in writing. (Non-Degree Credit) Pass/No Pass/Letter Grade Option.

ESL 054 C Intermediate Academic Oral Skills (NNS) 2 Units

Term hours: 36 lecture. This course is designed for intermediate level non-native English speakers (NNS) to improve oral communication skills related to academic and social contexts. The emphasis is on small group and class discussion, formal and informal presentations, and listening comprehension. Non-Degree Credit. PASS/NO PASS/LETTER GRADE OPTION.

ESL 056 C Intermediate ESL Reading 2 Units

Term hours: 36 lecture. This reading and vocabulary skills course is designed for English Language Learners (ELLs) who need to improve their college academic reading skills and vocabulary.

ESL 061 C Advanced Pronunciation 2 Units

Term Hours: 36 lecture. This course is designed to review American English pronunciation, focus on stress, intonation, and rhythm, and provide continued practice toward reducing communication breakdowns and increasing confidence in oral expression. (Pass/No Pass/Letter Grade Option)

ESL 062 C Advanced ESL Grammar 1 3 Units

Term Hours: 54 lecture. This course is designed for advanced academic ESL students to increase their knowledge and use of English with particular emphasis on advanced verb tense, verb form, verbals, verb phrase structure and editing skills in writing. (Non-Degree Credit) Pass/No Pass/Letter Grade Option.

ESL 063 C Advanced ESL Grammar 2 3 Units

Term Hours: 54 lecture. This course is designed for advanced ESL students to increase knowledge and use of English with emphasis on sentence parts, advanced sentence structure, punctuation and editing skills in writing. (Non-Degree Credit) Pass/No Pass/Letter Grade Option.

ESL 064 C Advanced Academic Oral Skills NNS 2 Units

Term hours: 36 lecture. This course is designed for advanced level non-native speakers of English (NNS) to improve listening and speaking skills related to academic contexts. The emphasis is lecture note-taking, informal and formal speeches, and small group and class discussion. (Non-Degree Credit) Pass/No Pass/No Pass /Letter Grade Option.

ESL 066 C Advanced ESL Reading 2 Units

Term hours: 54 lecture. This reading skills course is designed for English Language Learners eligible for high-intermediate ESL courses who need to improve their college academic and non-academic reading skills. This course does not meet the reading proficiency requirement for the AA degree. Non-Degree Credit. Pass/No Pass/Letter Grade Option.

ESL 098 C ESL Seminar for Non-Native Speakers**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This seminar course is for qualified students who wish to extend their knowledge of literature, language, and culture through small groups discussion. Fees may be required-Payable at Registration. Pass/No Pass/Letter Grade Option.

ESL 099 C Independent Study for Non-Native Speakers**0.5-2 Units**

Term hours: 27-108 Laboratory. This is a course designed for advanced ESL students who have completed all regular courses and wish to pursue additional coursework in one or more of the language skills: listening, speaking, reading, writing and/or culture. Pass/No Pass.

ESL 105 C Low Intermediate Academic Reading and Writing (formerly ESL 081 C)**5 Units**

Prerequisite(s): Appropriate skills demonstrated through the current placement process

Term hours: 90 lecture. This is a low intermediate level integrated skills course designed to improve the academic reading, writing, grammar, and interpersonal communication skills of non-native speakers. Pass/No Pass/Letter Grade Option. (CSU)

ESL 106 C Intermediate Academic Reading and Writing (formerly ESL 182 C)**5 Units**

Prerequisite(s): ESL 105 C with a minimum grade of C or appropriate skills demonstrated through the current placement process

Term hours: 90 lecture. This is an intermediate integrated skills course designed to improve the academic reading, writing, grammar, and interpersonal communication skills of non-native speakers. Pass/No Pass/Letter Grade Option. (CSU)

ESL 107 C High-Intermediate Academic Reading and Writing (formerly ESL 183 C)**5 Units**

Prerequisite(s): ESL 106 C with a minimum grade of C or better, pass, or appropriate skills demonstrated through the current placement process

Term hours: 90 lecture. This course is a high intermediate integrated skills course designed to improve the academic reading, writing, grammar, and interpersonal communication skills of non-native speakers. Pass/No Pass/Letter Grade Option (CSU)

ESL 108 C Exploring Culture through Academic Discourse I**5 Units**

Prerequisite(s): ESL 107 C with a grade of C or better or appropriate skills demonstrated through the current assessment process.

Term hours: 90 lecture. This course explores themes in human culture through authentic texts, introducing and modeling diverse voices contributing to cultural conversations and engaging students in critical analysis and appreciation of works of philosophical, historical, literary, aesthetic, and cultural importance in the Humanities. Multilingual students integrate such works into essays and discussions while learning citation skills and refining academic language fluency. This is the first advanced integrated ESL course in the sequence. (CSU/UC, AA GE, CalGETC).

ESL 109 C Exploring Culture through Academic Discourse II**5 Units**

Prerequisite(s): ESL 108 C with a grade of C or better or appropriate skills demonstrated through the current assessment process

Term hours: 90 lecture. This course explores themes in human culture through authentic texts, introducing and modeling diverse voices contributing to cultural conversations and engaging students in critical analysis and appreciation of works of philosophical, historical, literary, aesthetic, and cultural importance in the Humanities. Multilingual students integrate such works into essays and discussions while refining citation skills and academic language fluency. This is the second advanced integrated ESL course in the sequence. (CSU/UC, AA GE, CalGETC).

ESL 110 C College Composition for Non-Native Speakers**5 Units**

Prerequisite(s): ESL 109 C with a minimum grade of C or appropriate skills demonstrated through the current placement process

Term hours: 90 lecture. This college-level composition course is designed to give non-native speakers of English the skills necessary for academic success. Instruction focuses on expository and argumentative writing, appropriate, effective, and accurate use of language, close reading, critical thinking, research strategies, information literacy, and documentation. (CSU/UC, AA GE, CalGETC, C-ID: ENGL 100)

ESL 298 C English as a Second Language Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This seminar course is for able students who wish to extend their knowledge of literature, language and culture through small group discussion. Fees may be required-Payable at Registration. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU)

Ethnic Studies (ETHS)

ETHS 101 C American Ethnic Studies (formerly ETHS 100 C)**3 Units**

Advisory: Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term Hours: 54 lecture. This course is an introduction to the study of race and ethnicity in the United States through a comparative and interdisciplinary examination of the historical experiences of Native Americans, African Americans, Chicanas/os/xs/Latinas/os/xs, and Asian Pacific Americans from the colonial era to the present. Ethnic Studies frameworks and methodologies are employed to analyze historical themes through an intersectional lens that interrogates categories of identity and power such as race, ethnicity, class, gender, and sexuality. The course explores theoretical concepts and socio-historical processes including colonization and migration; racialization, the development of race as a social category, and the construction of citizenship; the relationship between race and U.S. imperialism; the persistence of social inequalities; and the long historical struggle for racial justice. Duplicate credit not granted for ETHS 101HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:SOCI 150, C-ID:SJS 110).

ETHS 101HC Honors American Ethnic Studies**3 Units****Advisory:** Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term hours: 54 lecture. This honors course is an enhanced introduction to the study of race and ethnicity in the United States through a comparative and interdisciplinary examination of the historical experiences of Native Americans, African Americans, Chicanas/os/xs/Latinas/os/xs, and Asian Pacific Americans from the colonial era to the present. Ethnic Studies frameworks and methodologies are employed to analyze historical themes through an intersectional lens that interrogates categories of identity and power such as race, ethnicity, class, gender, and sexuality. The course explores theoretical concepts and socio-historical processes including colonization and migration; racialization, the development of race as a social category, and the construction of citizenship; the relationship between race and U.S. imperialism; the persistence of social inequalities; and the long historical struggle for racial justice. Duplicate credit not granted for ETHS 101 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: SJS 110 and SOCI 150).

ETHS 129 C Introduction to African-American Studies**3 Units****Advisory:** Satisfactory completion of ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an introduction to the field of African-American Studies. An interdisciplinary approach is employed to study the various experiences of African Americans and their contributions to American society and culture. The course covers the development of African-American Studies as a field of academic inquiry as well as historical and contemporary topics including African origins; the social construction of race and the racialization of African Americans; the development of African-American culture; class, gender, and sexuality in the African-American community; African-American creative production; the struggles of the African-American family; African-American political life; and the empowerment of African Americans through liberation and self-determination. (UC/CSU, AA GE, CalGETC)

ETHS 130 C African-American History I**3 Units****Advisory:** Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term hours: 54 lecture. This course is a survey of the African-American experience in the United States from its African roots through the American Civil War, emphasizing the roles of African Americans in the political, social, and economic development of American society. Utilizing theoretical frameworks and methodologies from Ethnic Studies and African-American Studies, historical themes and events will be analyzed through an intersectional lens that interrogates categories of identity and power, including race, ethnicity, class, gender, sexuality, and religion. Topics covered include: the trans-Atlantic slave trade; the racialization of Africans and the emergence of racial slavery in the Americas; the enslavement of Africans and their descendants in Colonial America; the impact of the American Revolution on African Americans; slave life and resistance; gender and racialized sexuality; the lives of free African Americans and the development of African-American political thought; the Abolitionist Movement and the politico-economic dispute regarding the continuation of slavery; the American Civil War, the emancipation of enslaved African Americans, and the struggles for liberation and self-determination following their emancipation. (UC/CSU, AA GE, CalGETC).

ETHS 131 C African-American History II**3 Units****Advisory:** Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term hours: 54 lecture. This course is a survey of the African-American experience in the United States from the Era of Reconstruction to the present, emphasizing the roles of African Americans in the political, social, and economic development of American society. Utilizing theoretical frameworks and methodologies from Ethnic Studies and African-American Studies, historical themes and events will be analyzed through an intersectional lens that interrogates categories of identity and power, including race, ethnicity, class, gender, sexuality, and religion. Topics covered include: the African-American struggle for equity during the Reconstruction period; the persistence of racialized social inequalities in the "New South"; the debates over educational and socio-economic progress; the migrations to the North and West; the challenges of the African-American working class; the impact of World War I and World War II on African Americans; anti-colonialism movements during the Cold War; the campaigns for racial justice during the Civil Rights and Black Power Movements; the impact of gender and sexuality on re-defining "blackness" and "black identities"; and the efforts of African Americans to achieve liberation and self-determination in contemporary America. (UC/CSU, AA GE, CalGETC, C-ID: HIST 140).

ETHS 150 C Introduction to Chicana/o-x Studies**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an introduction to the field of Chicana/o/x Studies. It is designed to acquaint students with the most significant social, political, economic, and historical aspects of the transnational Chicana/o/x experience in the United States. The course covers the development of Chicana/o/x Studies as an interdisciplinary field of academic inquiry and topics such as race, ethnicity, and identity in the Southwest Borderlands; (im)migration, labor, and citizenship; indigeneity, "mestizaje," and "Chicanismo"; gender and sexuality in the Chicana/o/x community; creative and cultural production; and social movements by Chicanas/os/xs for self-determination and racial, economic, educational, and environmental justice. (UC/CSU, AA GE, CalGETC)

ETHS 151 C Chicana/o-x History I**3 Units****Advisory:** Satisfactory completion of ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is a survey of the Chicana/o/x experience from the pre-European colonized era of North America through the Mexican-American War, emphasizing the experiences of Indigenous, Spanish, and Mexican peoples in the Southwest Borderlands to the period of the American occupation. Utilizing theoretical frameworks and methodologies from Ethnic Studies and Chicana/o/x Studies, historical themes and events will be analyzed through an intersectional lens that interrogates categories of identity and power, including indigeneity, race, ethnicity, class, gender, sexuality, and religion. Topics covered include: Indigenous Mesoamerican civilizations; Spanish settler colonialism and imperialism in the Americas; the African presence in New Spain; "mestizaje," racialization, racial categorization, and racial identity; life in the Spanish and Mexican Borderlands prior to the American invasion and occupation; and the War between the United States and Mexico. (UC/CSU, AA GE, CalGETC)

ETHS 152 C Chicana-o-x History II**3 Units**

Advisory: Satisfactory completion of ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is a survey of the Chicana/o/x experience from the Mexican-American War to the present, emphasizing the roles of Chicanas/os/xs in the political, social, and economic development of American society. Utilizing theoretical frameworks and methodologies from Ethnic Studies and Chicana/o/x Studies, historical themes and events will be analyzed through an intersectional lens that interrogates categories of identity and power, including indigeneity, race, ethnicity, class, gender, sexuality, and religion. Topics covered include: the impact of the Mexican-American War on the lives of Mexicans in the American occupied Southwest Borderlands; racialization and racial discrimination; (im)migration and labor struggles; the impact of World War I, World War II, and the Cold War on Mexican Americans; the campaigns for civil rights, racial justice, decolonization, and self-determination; cultural affirmation and the construction of a "Chicana/o/x" identity; gender, sexuality, and the emergence of Chicana feminism; and the transnational Chicana/o/x experience in contemporary America. (UC/CSU, AA GE, CalGETC)

ETHS 153 C Chicana-o-x and Latina-o-x Contemporary Issues**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course focuses on the contemporary issues, major characteristics, and significant contributions of the Chicana/o/x and Latina/o/x communities in the United States. An interdisciplinary approach will be used to analyze contemporary sociological topics including, but not limited to, immigration, education, politics, gender and sexuality, social welfare, criminal justice, religion and the family. (UC/CSU, AA GE, CalGETC)

ETHS 159 C Introduction to Native American Studies**3 Units**

Advisory: Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term hours: 54 lecture. This course is an introduction to the field of Native American and Indigenous Studies. An interdisciplinary approach is employed to acquaint students with the most significant social, political, religious, and artistic aspects of various Indigenous peoples of North America focusing on the twentieth century to the present. Topics covered include: the development of Native American Studies as a field of academic inquiry; Native philosophy and religious traditions; indigeneity, racialization, and identity; settler colonialism; urbanization; intertribal relations; gender and sexuality; art, literature, and cultural production; environmental justice; and the context in which Indigenous peoples have sought to maintain their sovereignty. (UC/CSU, AA GE, CalGETC, IGETC).

ETHS 160 C Native American History I**3 Units**

Advisory: Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term hours: 54 lecture. This course is a survey of the Native American experience from the pre-colonial era to the Indian Wars on the Great Plains, emphasizing the roles of Native Americans in the political, social, and economic development of American society. Utilizing epistemologies, theoretical frameworks and methodologies from Ethnic Studies and Native American and Indigenous Studies, historical themes and events will be analyzed through an intersectional lens that interrogates categories of identity and power, including indigeneity, race, ethnicity, class, gender, sexuality, and spirituality. Topics covered include: Indigenous civilizations across the Americas; Indigenous political, philosophical, religious, and gender systems pre- and post-European contact; European occupation, settler colonialism, and the racialization of Native Americans; the impact of the American Revolution on native peoples; the development of U.S. Indian policy and its culmination in Indian removal; the Indian Wars on the Plains for sovereignty and self-determination; and the rise of the reservation system. Emphasis is placed on examining the Native American experience through an anti-colonial and decolonial lens. (UC/CSU, AA GE, CalGETC).

ETHS 161 C Native American History II**3 Units**

Advisory: Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term hours: 54 lecture. This course is a survey of the Native American experience from the American Civil War to the present, emphasizing the roles of Native Americans in the political, social, and economic development of American society. Utilizing epistemologies, theoretical frameworks and methodologies from Ethnic Studies and Native American and Indigenous Studies, historical themes and events will be analyzed through an intersectional lens that interrogates categories of identity and power, including indigeneity, race, ethnicity, class, gender, sexuality and spirituality. Topics covered include: the Indian Wars on the Plains and the rise of the reservation system; U.S. policy to "Kill the Indian and Save the Man" during the Progressive Era; the Indian New Deal and the attempts to preserve native cultures; the impact of World War I, World War II, and the Cold War on Native Americans; Native American political and liberatory activism during the 1960s and 1970s; the long historical struggle for tribal sovereignty and self-determination; gender and sexuality in Native American communities; and the Native American experience in contemporary America. Emphasis is placed on examining the Native American experience through an anti-colonial and decolonial lens. (UC/CSU, AA GE, CalGETC).

ETHS 170 C Introduction to Asian Pacific American Studies**3 Units**

Advisory: Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term hours: 54 lecture. This course is an introduction to the field of Asian Pacific American Studies. An interdisciplinary approach is employed to study the experiences of various Asian and Pacific Islander groups in the United States utilizing the perspectives of race, nationality, class, gender, and sexuality. The course covers the development of Asian Pacific American Studies as a field of academic inquiry as well as topics pertaining to Asian Pacific American communities including immigration, racialization and citizenship, anti-Asian exclusion and stereotypes, labor, creative production, and social movements. (UC/CSU, AA GE, CalGETC).

ETHS 171 C Asian Pacific American History**3 Units****Advisory:** Satisfactory completion of ENGL C1000, ENGL C1000H, ENGL C1000E, or ESL 110 C

Term hours: 54 lecture.. This course is a survey of the Asian Pacific American experience in the United States from the mid-nineteenth century to the present, emphasizing the roles of Asian Pacific Americans in the political, social, and economic development of American society. Utilizing theoretical frameworks and methodologies from Ethnic Studies and Asian Pacific American Studies, historical themes and events will be analyzed through an intersectional lens that interrogates categories of identity and power, including race, ethnicity, nationality, class, gender, sexuality, and religion. The course addresses the historical forces that affected Asian Pacific American communities including: Chinese, Japanese, Korean, Filipino, Native Hawaiian, Samoan, South Asian, and Southeast Asian. Topics covered include: Asian and Pacific Islander origins; immigration and settlement patterns; labor and community formation; Orientalism, racialization, and U.S. racial exclusionary policies; gender and racialized sexualization; U.S. imperialism, settler colonialism, intervention, and foreign policy; the struggles for inclusion, civil rights, and racial and social justice; and the Asian Pacific American experience in contemporary America. (UC/CSU, AA GE, CalGETC).

ETHS 200 C Race, Gender, and Sexuality**3 Units****Advisory:** Satisfactory completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C and ETHS 101 C

Term hours: 54 lecture. This course is a critical examination of gender and sexuality through the historical and contemporary experiences of African Americans, Asian Pacific Americans, Latinas/os/xs, Native Americans and other "racialized" groups in the United States. The course analyzes how gender and sexuality intersect with race, ethnicity, nationality, class, religion, and other systems of power and dominance. Ethnic Studies frameworks and methodologies are employed to assess how racism, (hetero)sexism, homophobia, and transphobia intersect to shape the experiences of QTPOC (Queer and Trans People of Color) communities and cisgender heterosexual women and men of color as they may relate to labor, family, politics, identity, resistance and creative expression. CSU/UC, AA GE)

ETHS 202 C Race, Ethnicity, and Popular Culture**3 Units****Advisory:** Completion of ENGL C1000 (ENGL C1000) or, ENGL C1000H (ENGL C1000H) or, ENGL C1000E (ENGL C1000E), or ESL 110 C or ESL 110 C and ETHS 101 C

Term hours: 54 lecture. This course examines the contributions and representations of African Americans, Asian Pacific Americans, Latinas/os/xs, Native Americans, and other "racialized" populations in film and popular culture and surveys the cultural, economic, social, and political forces that shape their representations in media and their experiences in the United States. Ethnic Studies frameworks and methodologies are employed to analyze historical and contemporary representations of race, ethnicity, class, gender, and sexuality in U.S. film, television, advertising, news media, and other forms of popular culture. This course also incorporates popular culture and creative productions as a lens to study how contemporary articulations of race, class, gender and sexuality speak to reproductions, depictions, and challenges from media representations. (UC/CSU, AA GE, CalGETC)

ETHS 235 C American Racial Liberation Movements**3 Units****Advisory:** Completion of ENGL C1000 (ENGL C1000) or , ENGL C1000H (ENGL C1000H) or, ENGL C1000E (ENGL C1000E), or ESL 110 C and ETHS 101 C

Term hours: 54 lecture. This course is an examination of the Post-World War II movements for racial liberation and self-determination among African Americans, Asian Pacific Americans, Latinas/os/xs, and Native Americans in the United States. It analyzes the socio-historical factors that led to the struggles for racial justice, as well as gender, economic, educational, and environmental justice while comparing their strategies and outcomes. Topics covered include the African-American Civil Rights and Black Power Movements; the Chicano Movement and other Latina/o/x activist struggles; the Asian-American Movement; Native American political activism; the roles of women and LGBTQ+ activists in racial liberation movements; and contemporary issues and movements to eradicate racism, classism, sexism and homophobia in American society. (UC/CSU, AA GE, CalGETC)

ETHS 298 C Ethnic Studies Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and 0-432 laboratory depending on units attempted. This is a lecture/discussion course focusing on a particular limited problem or topic of interest to students. It is designed for students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Consult the class schedule for the offerings in a particular semester. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

ETHS 299 C Ethnic Studies Independent Study**1 Unit****Prerequisite(s):** Dean Approved Independent Study Learning Contract

Term hours: 18 lecture. Independent study is for students who wish to extend their knowledge of a particular area within the field of Ethnic Studies (African-American Studies, Asian Pacific American Studies, Chicana-o-x/Latina-o-x Studies, Native American and Indigenous Studies, or Comparative Ethnic Studies) through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so he/she could learn more regarding their special topic. May be taken for credit 3 times. (UC Credit Limitation/CSU).

French (FREN)

FREN 098 C French Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This seminar is for able students who wish to extend their knowledge of literature, language and culture through small group discussion. May be taken for credit 1-4 times. Pass/No Pass/Letter Grade Option. Fees may be required-Payable at Registration.

FREN 101 C Elementary French I**5 Units**

Term hours: 90 lecture. This course focuses on the acquisition of the four skills in language learning: listening comprehension, speaking, reading, and writing. Included are the basics of French pronunciation and regional varieties of French. Students will be introduced to the culture, customs, history, and geography of the French-speaking world. Students will develop cultural understanding and linguistic proficiency for elementary social communication through conversation practice; reading, listening, writing exercises; and discussions of cultural readings. Letter Grade or Pass/No Pass option. (UC/CSU, AA GE).

FREN 102 C Elementary French II**5 Units**

Prerequisite(s): FREN 101 C with a grade of C or better or one year of high school French with an average grade of C

Term hours: 90 lecture. This course continues to focus on the acquisition of basic skills in pronunciation, listening comprehension, speaking, reading, and writing. Students will further their understanding of the culture, customs, history, geography and traditions of the French-speaking world. In addition to increasing proficiency in elementary social communication, attention is also given to developing intercultural competency. Through conversation practice; reading, listening, writing exercises; and discussions of various Francophone customs, students can apply the process for understanding French and Francophone populations towards other cultures and communities. Letter Grade or Pass/No Pass Option. (CSU/UC, AA GE).

FREN 125 C French Culture Through Cinema**3 Units**

Term hours: 54 lecture. This course is an introduction to French and Francophone culture through film. Through analysis of classic and recent Francophone films, students gain an appreciation of this medium as works of art as well as an understanding of the connection between culture, film, and language. Films and characters are situated within their historical, socio-political, and cinematic contexts with an emphasis on their cultural relevance and representation of the French-speaking world. Ten to twelve films will be viewed for analysis and discussion. Characters and political, social, and artistic movements in France and other Francophone countries as reflected in the works of French-speaking film directors and writers will also be examined. Lectures and class discussions in English. All films with English subtitles. (CSU/UC)

FREN 200 C Conversational French**2 Units**

Prerequisite(s): FREN 102 C with a grade of C or better

Term hours: 36 lecture. This is a course in conversation with emphasis on the idiomatic use of the language through French films. Topics concern French life, culture, geography, and history. Students prepare for this class through the study of the textbook, magazines, newspapers, and other current material and encounters. This course is conducted in French. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE)

FREN 203 C Intermediate French III**4 Units**

Prerequisite(s): FREN 102 C with a grade of C or two years of high school French with an average grade of C

Term hours: 72 lecture This course emphasizes the acquisition of contextualized vocabulary and advanced skills in listening, speaking, reading and writing. Students will be introduced to new cultural, socio-historic and literary material via lectures, films, French websites, readings, and writing assignments. Included is an expanded review of key grammatical concepts as well as how to discuss and offer opinions on and analysis of current events and sociocultural issues. This course is conducted in French. Letter Grade or Pass/No Pass Option. (UC/CSU, AA GE, CalGETC).

FREN 204 C Intermediate French IV**4 Units**

Prerequisite(s): FREN 203 C with a grade of C or three years of high school French with an average grade of C

Term hours: 72 lecture. This course continues the development of listening, speaking, reading and writing skills. It emphasizes the mastery of contextualized vocabulary as well as intermediate-advanced oral and written communication. An extended review of key grammatical concepts includes more advanced readings of cultural, socio-historical and literary texts with diverse Francophone perspectives (Africa, Asia, the Caribbean, French Polynesia). In this course, students acquire a working proficiency of the French language and an appreciation of Francophone culture that is the basis for advanced study in the humanities or sciences. This course is conducted in French. Letter Grade or Pass/No Pass Option. (UC/CSU, AA GE, CalGETC).

FREN 299 C French Independent Study**0.5-2 Units**

This course is for able students who wish to increase their knowledge of language through individual study or research. Unit credit may range from 1/2 to 2 units in any given semester. Consult the class schedule to verify credit for a particular term. Pass/No Pass or Letter Grade Option. (CSU/UC Credit Limitation)

Geography (GEOG)

GEOG 100 C World Geography**3 Units**

Term hours: 54 lecture. This course is an introduction to today's physical and political regions emphasizing location, population, political status, land use problems and potentialities and providing opportunities for worldwide research. Duplicate credit not granted for GEOG 100HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: GEOG 125)

GEOG 100HC Honors World Geography**3 Units**

Term hours: 54 lecture. This course is an enhanced introduction to today's physical and political regions emphasizing location, population, political and economic status, differences and similarities, problems and potentialities and providing opportunities for worldwide research. Duplicate credit not granted for GEOG 100 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: GEOG 125)

GEOG 102 C Physical Geography**3 Units**

Term hours: 54 lecture. This course is an investigation and interpretation of the sun-earth relationship, science of maps, weather and climate, the hydrosphere, cycles and patterns in the biosphere, flora and fauna, soils, rocks, and minerals, weathering, mass wasting, erosion, and origin and types of land forms that provide insight into the nature of the physical environment. (UC/CSU, AA GE, CalGETC, C-ID:GEOG 110, C-ID: GEOG 115=GEOG 102 C + GEOG 102LC).

GEOG 102LC Physical Geography - Lab**1 Unit**

Prerequisite(s): Completion of, or concurrent enrollment in GEOG 102 C
Term hours: 36 laboratory and 18 laboratory/quiz/problem solving. This course investigates and interprets in a laboratory environment the sun-earth relationships, science of maps, weather and climate, climatic types and locations, natural vegetation, soils and minerals, ocean environment, and the origin and types of land forms that provide insight into the nature of the physical environment. (UC/CSU, AA GE, CalGETC, C-ID:GEOG 111, C-ID: GEOG 115=GEOG 102 C + GEOG 102LC).

GEOG 120 C Introduction to Spatial Reasoning**3 Units**

Term hours: 54 lecture. This course is an introduction to the fundamental concepts of Geographic Information Science and Technology (GIS&T) including Geographic Information Systems (GIS), Global Positioning Systems (GPS), cartography, remote sensing, and spatial analysis. Exploration of how geospatial technologies are used in addressing human and environmental issues. (UC/CSU, C-ID: GEOG 150)

GEOG 130 C California Geography**3 Units**

Term hours: 54 lecture. This course investigates and interprets the physical, cultural and economic bases and regions of the state of California. Particular emphasis is placed upon the natural foundations of the landscape with the exploration of the unique nature and special characteristics of the people utilizing that landscape. (UC/CSU, CalGETC, C-ID: GEOG 140)

GEOG 140 C Weather and Climate**3 Units**

Term hours: 54 lecture. This course is an investigation and interpretation of the earth's atmosphere and the science behind local and global surface weather phenomena. Particular emphasis is placed upon the interrelationships between weather and climate and upon meteorological forecasting techniques. (UC/CSU, CalGETC, C-ID: GEOG 130)

GEOG 160 C Cultural Geography**3 Units**

Term hours: 54 lecture. This course investigates and interprets the interrelationship of human activities with cultural background, physical environment and the diffusion of ideas. Emphasis is placed on where and why people locate, the distribution of different cultural characteristics on the earth's surface, how people earn a living in various parts of the world, how people organize their lives and how their problems may result from the use of the earth's resources. (UC/CSU, AA GE, CalGETC, C-ID: GEOG 120)

GEOG 202 C Field Geography - Physical**1 Unit**

Prerequisite(s): Completion of or concurrent enrollment in GEOG 102 C with a grade of C or better

Term hours: 18 lecture in the field (location TBA). Each separate offering of this course will occur in a unique location, studying unique circumstances and conditions in the field. Each course will employ its own combination of technical equipment, scientific instruments, and geotechniques. All courses will study the basic conceptual materials, with modifications associated with the location and the specific conditions encountered at each season. Field trip cost not to exceed \$40. (UC/CSU/C-ID: GEOG 160)

GEOG 203 C Geospatial Field Techniques**1 Unit**

Term Hours: 18 lecture. Each separate offering of this course will occur in a unique location, studying unique circumstances and conditions in the field. Each course will employ its own combination of technical equipment, scientific instruments, and geo-techniques. All courses will study the basic conceptual materials, with modifications associated with the location and the specific conditions encountered at each season. Field trip cost not to exceed \$40.

GEOG 230 C Introduction to GIS**3 Units**

Term hours: 90 lecture. This course will introduce the student to Geographic Information Systems technology and software. Students will be taught how to retrieve and apply data in their chosen business and/or academic area of interest. \$4 Materials Fee-Payable at Registration. (UC/CSU/C-ID: GEOG 155)

GEOG 231 C GIS - Spatial Analysis**3 Units**

Prerequisite(s): GEOG 230 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course is utilized as a tool to analyze and solve problems, and to discover opportunities for business and academic applications. Students will apply this software in student selected projects. A semester project will be required of each student. \$4 Materials Fee-Payable at Registration. (CSU)

GEOG 232 C GIS - Analysis and Modeling**3 Units**

Prerequisite(s): GEOG 230 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course introduces students to advanced topics, techniques, and analysis in Geographic Information Systems (GIS). Students will retrieve and apply data in their chosen business or academic area of interest. \$4 Materials Fee-Payable at Registration. (UC/CSU)

GEOG 233 C GIS - Advanced Internship**3 Units**

Prerequisite(s): GEOG 231 C and GEOG 232 C, with a grade of C or better

Term hours: 9 lecture and 125 hours fieldwork. This course of internships and fieldwork comprises a significant portion of the students' work in this Geographic Information Systems (GIS) course. Students are required to participate in 125 hours of supervised field study per semester (7 hours per week) and one hour lecture per week to discuss problem areas related to fieldwork. \$4 materials fee payable at registration. (CSU/UC)

GEOG 234 C Current Topics in GIS**3 Units**

Term hours: 36 lecture and 54 laboratory. This is an advanced lecture/discussion project type course designed to cover current issues and advances in Geographic Information Systems. It is designed for students who have experience in GIS applications and wish to update their knowledge and working skills. A final semester project, utilizing GIS for a project chosen by the student will be required. \$4 Material Fee-Payable at Registration. (UC/CSU)

GEOG 260 C Economic Geography**3 Units**

Term hours: 54 lecture. This course is an investigation and interpretation of the world's economic organization, its natural resources, raw materials, crops and crop production, manufacturing and service industries, new trends in producing and the changing centers of production and consumption. Duplicate credit not granted for ECON 260 C. (UC/CSU, CalGETC).

GEOG 298 C Geography Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 0-756 laboratory. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings in a particular semester. Fees may be required-Payable at Registration. Pass/No Pass or Letter Grade Option. (UC Credit Limitation/CSU)

GEOG 299 C Geography Independent Study**1 Unit**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 54 laboratory. Independent study is for able students who wish to extend their knowledge of a particular area through individual research and study. It is thought the topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so that they could learn more regarding their specific topic. May be taken for credit 3 times. (CSU)

Geology (GEOL)

GEOL 100 C Physical Geology

3 Units

Term hours: 54 lecture. This introductory course is a survey of the composition, structure, processes and forces that operate underneath and upon Earth's surface. Topics include plate tectonics, rocks/minerals, earthquakes, volcanoes, landslides, resources, and environmental concerns. Cost of field trip not to exceed \$25. Duplicate credit not granted for GEOL 100HC. (CSU/UC, AA GE, CalGETC, C-ID: GEOL 100)

GEOL 100HC Honors Physical Geology

3 Units

Term hours: 54 lecture. This course is an enhanced introduction to the concepts and theories of geology. It includes a survey of the composition, structure, processes and forces that operate underneath and upon Earth's surface. Topics include plate tectonics, rocks/minerals, earthquakes, volcanoes, landslides, resources, and environmental concerns. Field trips may be required not to exceed \$25. Duplicate credit not granted for GEOL 100. (UC/CSU, AA GE, CalGETC, C-ID: GEOL 100)

GEOL 101 C Physical Geology Laboratory

1 Unit

Prerequisite(s): Completion of, or concurrent enrollment in, GEOL 100 C with a grade of C or better

Term hours: 54 laboratory. This course includes the identification of minerals and rocks; understanding of topographic maps, aerial photographs and other imagery from remote sensing; interpretation of rocks, structures, and geologic processes as revealed on maps, air photos, and satellite imagery and their relationship to plate tectonics. (UC/CSU, AA GE, CalGETC, C-ID: GEOL 100 L)

GEOL 103 C Historical Geology

4 Units

Term hours: 54 lecture and 54 laboratory. This course is an introduction to the scientific method of exploring Earth's history and the life it supports. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution and Earth's origin and processes. (UC/CSU, AA GE, CalGETC, C-ID: GEOL 111)

GEOL 104 C Geology of National Parks

3 Units

Term hours: 54 lecture. This course studies the geology, development and structure of the U.S National Park and Monument system. Rocks and geological structures at selected parks will be studied as a means to understand the general geology of North America. Pass/No Pass or Letter Grade option. Field Trip may be required not to exceed \$25.00. (UC/CSU, AA GE, CalGETC)

GEOL 105 C Earth Science for Teachers

4 Units

Term hours: 54 lecture and 54 laboratory. This class is designed for the prospective school teacher. This multidisciplinary course will explore the fields of geology, oceanography, meteorology, and astronomy. Topics include solar system, mineral/rock formation, star/galaxy, atmosphere, volcanoes, and earthquakes. (CSU/UC, AA GE)

GEOL 115 C Physical Geology Field Lab

1 Unit

Prerequisite(s): Earth science class as approved by instructor

Corequisite(s): GEOL 100 C or GEOL 100 HC

Term hours: 54 laboratory. This course includes field and laboratory study of mineral, rock, and fossil identification; structural and geomorphic features; geologic history; and geologic hazards of selected regions in California, Arizona and Utah. Field trip fees range from \$25-155 depending on trip location. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE, CalGETC)

GEOL 120 C Geology of California

3 Units

Term hours: 54 lecture. This course is designed to acquaint the student with the physical and historical geology of the natural provinces of California. This includes mineral deposits, rock types, tectonic structures, fossils and surface features within each province. Natural hazards such as earthquakes, volcanoes, and mass wasting within California will be explored. Field trip fees not to exceed \$40. Pass/No Pass/Letter Grade option. (CSU/UC, AA GE, CalGETC, C-ID: GEOL 200)

GEOL 125 C Natural Disasters

3 Units

Term hours: 54 lecture. This course is an introduction to the science of natural disasters. Topics include earthquakes, volcanoes, landslides, hurricanes, tornadoes, floods, climate change and mass extinctions. Case studies, monitoring methods and disaster planning will be addressed. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC)

GEOL 130 C Introduction to Oceanography

3 Units

Term hours: 54 lecture. This course is a survey of the composition and structure of the earth's ocean showing the interrelationship between atmosphere, hydrosphere, lithosphere, and biosphere. The effects of modern technology, ocean resources, and marine pollution will be explored. Field trips may be required with a fee not to exceed \$25. (UC/CSU, AA GE, CalGETC)

GEOL 131 C Introduction to Oceanography Lab

1 Unit

Prerequisite(s): Completion of, or concurrent enrollment in, GEOL 130 C with a grade of C or better

Term hours: 54 laboratory. This course includes the identification of earth materials; understanding of bathymetric charts; basic navigation; and methods of oceanographic research. Field trips may be required at no additional cost. (UC/CSU, AA GE, CalGETC)

GEOL 190 C Environmental Geology

3 Units

Term hours: 54 lecture. This course is designed for the non-science major and will focus on the interaction between humans and the geologic processes that shape Earth's environment, with special emphasis on hazardous earth processes, Earth resources, and the health of our environment. Natural hazards such as earthquakes, volcanoes, landslides and floods will be examined. The course will focus on ways in which solid earth, hydrospheric and atmospheric processes generate the varieties of soil, water and mineral resources, and fossil fuel and alternative energy resources useful to Earth's growing human population. Pollution and waste disposal and climate change and effects will also be addressed. (The course is not open to students who have completed GEOL 100 C or GEOL 102 C.) (UC Credit Limitation/CSU, AA GE, CalGETC)

GEOL 192 C Coastal Oceanography Field Studies

1 Unit

Term hours: 54 laboratory. This course involves investigation and field study of selected oceanographic processes of southern and central California and other areas. Study areas include coastal regions in the counties of San Diego, Orange, Los Angeles, Ventura, Santa Barbara and San Luis Obispo. Fees will be required. Pass/No Pass/Letter Grade option. (CSU)

Health Information Technology (HI)

HI 101 C Health Information Management

3 Units

Prerequisite(s): CIS 111 C with a minimum grade of C or better and acceptance in the Health Information Technology Program

Term hours: 36 lecture and 54 laboratory. This course investigates the content, use and structure of health care data and data sets and how these components relate to primary and secondary health information systems across the healthcare delivery system. Emphasis is on medical record documentation requirements pursuant to federal/state regulations and voluntary accrediting body standards. Discussions will focus on regulatory issues, documentation requirements, quality and utilization management, risk management and the role of the HIM professional in healthcare delivery. Laboratory activities will include use of electronic health records; assembly and analysis of medical records; and reading and interpreting medical records and researching healthcare documentation requirements. \$4 materials fee payable at registration. (CSU)

HI 102 C Legal Aspects of Health Care

3 Units

Prerequisite(s): Acceptance in the Health Information Technology Program.

Term hours: 54 lecture. The focus of this course is on the legal and ethical issues affecting health care industry, health care providers, and health information managers. State laws, federal regulations, and case precedents form the basis for class discussion. Topics include tort law, confidentiality, release of protected health information (PHI), informed consent, corporate compliance, patient rights, negligence and medical malpractice, contract and labor law, ethics and Medical Staff Organization. Special emphasis is placed on HIPAA Privacy and Security Rules and Measures to safeguard against disclosure of PHI. (CSU)

HI 103 C Healthcare Data Analysis

3 Units

Prerequisite(s): HI 101 C and STAT C1000 (MATH 120 C) or MATH 120PC with grades of C or better

Term hours: 36 lecture and 54 laboratory. This course focuses on the effective collection, presentation, and verification of healthcare data necessary for the preparation of administrative and clinical reports. The role of data in clinical research, vital statistics, and epidemiology will be discussed. Laboratory activities will focus on manual and automated data presentation techniques and on the interpretation and analysis of healthcare data. The role of the health data information professional in transforming data into meaningful information for use in clinical and financial decision-making will be stressed. Data reliability and validity is emphasized. (CSU)

HI 114 C Beginning ICD-10-CM and ICD-10-PCS Coding

3 Units

Prerequisite(s): BIOL 210 C and HI 101 C and HS 145 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course covers the principles of nomenclature and classification systems and includes ICD 10-CM and ICD 10-PCS. The focus is on coding and abstracting diagnostic and procedural data needed for clinical and administrative decision-making, financial reimbursement and research. (CSU)

HI 116 C Health Information Technology Pharmacology

2 Units

Prerequisite(s): Acceptance in Health Technology/Medical Program
Lecture 36 hours

This course is an introduction for Health Information Technology on the pharmacology concepts used in the Health Information Technology profession. This course will concentrate on medical conditions and the relation of drugs to major body systems including the fundamentals of current drug therapy, adverse effects and interactions that medications can produce. (CSU)

HI 214 C CPT-Ambulatory Care Coding

3 Units

Prerequisite(s): HI 114 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course focuses on the principles and mechanics of coding procedures according to Current Procedural Terminology and its relationship to the Health Care Common Procedure Coding System (HCPCS). This course will address the requirements for diagnostic and procedure coding in ambulatory care including hospital outpatient, outpatient surgery and physician office. In the laboratory, students will solve coding problems using operative reports and encoding software. (CSU)

HI 224 C Advanced ICD-10-CM and ICD-10-PCS Coding

3 Units

Prerequisite(s): HI 114 C and HS 147 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course covers advanced concepts in ICD-10-CM & ICD-10-PCS and its application to the hospital inpatient prospective payment system are discussed. Lecture will focus on the structure of the Medicare-Severity diagnostic related groups; interpretation of laboratory and radiologic findings; pharmacology; and Official Coding Clinic guidelines. Laboratory activities will include coding medical records of the most common diagnostic related groups using automated encoders. \$4 materials fee payable at registration. (CSU)

HI 225 C Information Technology

3 Units

Prerequisite(s): CIS 111 C and HI 101 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course explores information and communication technologies used to deliver and document health care that facilitate interoperable health information exchange between and among health care providers. Emphasis is on the implementation of certified electronic health records by hospitals and physicians and how organizations meet the Centers for Medicare and Medicaid Services meaningful use criteria. Discussions focus on personal health records, patient portals, telemedicine, e-prescribing, clinical decision support systems and networking technologies that store, protect, retrieve, and transfer clinical, administrative, and financial information within health care settings. Lab activities center on using electronic health records software; creating and analyzing data in Excel spreadsheets; creating and querying Microsoft Access databases; using Visio and Microsoft Project scheduling tools and evaluating personal health record applications. (CSU)

HI 226 C Revenue Cycle Management

3 Units

Prerequisite(s): HI 114 C and HI 214 C with a grade of C or better

Corequisite(s): HI 224 with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course will examine the Revenue Cycle Management process, and the advanced concepts of healthcare reimbursement methodologies. This course will differentiate between the Medicare-Medicaid Perspective Payment for Inpatients (IPPS), Ambulatory (OPPS), Post-acute care, and other reimbursement systems. This course will explore the financing of health care, claims management and value-based purchasing. (CSU)

HI 230 C Directed Practice I

3 Units

Prerequisite(s): HI 101 C and HI 102 C, with a grade of C or better

Term hours: 18 lecture and 108 laboratory. This course is an investigation of the components of the content, use, and structure of health care data and data sets in the following alternative health care settings: long term care, home health, hospice, ambulatory care, and behavioral health and rehab services. Emphasis is on analyzing the content of the health record and documentation requirements pursuant to federal and state regulations and voluntary accrediting body standards. Discussions will focus on the opportunities for health information management professional in these different settings. (CSU)

HI 240 C Directed Practice II**4 Units**

Prerequisite(s): Admission to the HIT Program, HI 102 C, HI 103 C, HI 114, and HI 230 C with grades of C or better

Term hours: 36 lecture and 108 laboratory. This course will focus on the basic principles of organization of health information management department; supervision of human resources in order to develop effective skills in leadership, motivation and team-building techniques; project management and marketing health information management services. Discussions focus on directed practice activities which emphasize the collection, analysis and presentation of health care data; quality improvement functions, and review for the Registered Health Information Technology credentialing exam. During the semester, students are assigned to an affiliated health-related agency for supervised directed practice. Students shall have the status of learner and shall not be considered agency employees, nor shall they replace agency staff. Directed practice is conducted as a unpaid, laboratory experience. (CSU).

HI 245 C Coding Skills Lab**1-2 Units**

Prerequisite(s): Completion of or concurrent enrollment in HI 204 C with a grade of C or better

Advisory: Employed as a health information coder in a health care agency
Term hours: 54-108 laboratory depending on units attempting. The focus of this course is one of assisting the students in the development of coding skills and the application of those skills to different types of medical records. Students will code inpatient, emergency department, outpatient surgery, and referred outpatient medical records using ICD-10-CM, ICD 10-PCS, CPT and the Healthcare Common Procedure Coding System (HCPCS). The process of interpreting medical record information, choosing the required coding classification and assigning and sequencing codes correctly will be addressed. This course will provide an opportunity for students in the Health Information Technology and Health Information Coding Specialist Programs to demonstrate competencies required for completion of each program. Computer assisted instruction and automated encoders will be used within the course. This course may also be taken to update coding skills. Course may be taken four times for credit. \$4 materials fee payable at registration. Open Entry/Open Exit. Pass/No Pass option only. (CSU)

HI 299 C HI Tech Independent Study**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 9-36 lecture depending on units attempted. This course is designed for students enrolled in the Health Information Technology program or its options who wish to increase their knowledge and experience in applied areas. Students will participate in independent study in assigned areas under staff supervision. May be taken for credit 4 times. Pass/No Pass/Letter Grade Option. (CSU)

Health Science (HS)

HS 030 C Calculations for Medications**1 Unit**

Advisory: Students should consider this course if they are eligible for admission to the nursing program or psychiatric technician program and/or have had challenges on the math section of the entrance exam, or are in need of updating of math/medication computation skills or MATH 010 C

Term hours: 18 lecture. This course covers basic math skills, measurement systems and calculation methods involved in safe medication administration to patients. Calculations with decimals, fractions, metric, apothecary, and household systems of measurement will be covered. Ratio and proportion will be used to calculate non-parenteral, parenteral and intravenous infusion dosages/rates. The course will include individual and group experiences with use of a workbook, computer software tutorials, and on-line resources. Non-Degree Credit. Pass/No Pass/Letter Grade Option.

HS 050 C Preparation for Health Science**3 Units**

Term hours: 54 lecture. This course is designed for students interested in a health science career. The communication, reading and mathematical skills of students will be developed in relation to the various career needs. Remedial and introductory material necessary to enter and complete a Health Science Program are emphasized. Pass/No Pass/Letter Grade Option.

HS 066 C Selected Topics for NURS 297 C**0.5-2 Units**

Prerequisite(s): Acceptance in the Nursing Program

Term hours: 9-36 lecture. This course correlates with NURS 297 C. Students will recall and build upon the curricular concepts learning in preceding nursing courses of patient centered care, safety, oxygenation, regulation and movement using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics, to apply the nursing process and provide effective care to promote synthesis and competence necessary for entry into practice. Pass/No Pass/Letter Grade Option.

HS 070 C Health Care Communication**0.5-1 Units**

Advisory: ESL 184 C

Term hours: 27-54 laboratory. This course is designed for the non-native speaker to help foster open written and oral communication within the inter-professional team and enhance safe quality patient centered care. Individualized instruction that correlates with the co-enrolled healthcare course of study will be taught. This course is open to students enrolled in any Health Science course or waiting to be re-admitted to a Health Science program. May be taken for credit 4 times. Open Entry/Open Exit. Pass/No Pass

HS 076 C CPR for Health Care Providers**1 Unit**

Term hours: 18 lecture. Basic life support "C" certification is required for health care providers. This course prepares the student with knowledge and skills required to perform adult one-rescuer CPR, adult two-rescuer CPR, pediatric one-rescuer CPR, child two-rescuer CPR, adult foreign body airway management and pediatric foreign body airway management. (The American Heart Association charges a fee for the "C" certification card). Pass/No Pass/Letter Grade Option.

HS 077 C CPR Recertification**0.5 Units****Prerequisite(s):** Course in Basic Life Support with "C" Certification

Term hours: 9 lecture. Current BLS "C" certification is required for health care workers when providing direct patient care. This course prepares the student with current knowledge and skills required to obtain a recertification card from the American Heart Association. (The American Heart Association charges a fee for the recertification card). May be taken for credit 4 times. Pass/No Pass/Letter Grade Option.

HS 080 C Selected Topics in Nursing and Allied Health**0.5-8 Units**

Term hours: 9-144 lecture depending on units attempted. This course is designed to meet the nursing and allied health science student need for current topics and issues, updated information in health care review of specialized subject matter, and/or preparation for health related licensure and certification exams. Content will emphasize clinical application of theoretical principles in the discipline. Computer software, videotapes, resource materials, instructor assessment of individual student knowledge and skills will be utilized. May be taken for credit 10 times. Pass/No Pass/Letter Grade Option.

HS 098 C Health Science Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-648 laboratory depending on units attempted. This course will utilize a lecture discussion approach to various topics within the Health Science programs. A variety of classes will be offered to introduce students to new experiences, update content on current issues, and explore new trends in health care. Fees may be required-Payable at Registration. Pass/No Pass or Letter Grade option.

HS 099 C Health Science Independent Study**0.5-2 Units****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: Lecture hours vary according to credit given. This course is designed for students interested in health science programs who wish to increase their knowledge and experience in applied areas. Students will participate in independent study on assigned areas under staff supervision. May be taken for credit 4 times. Pass/No Pass/Letter Grade Option.

HS 145 C Survey of Medical Terminology**3 Units**

Term hours: 54 lecture. This course includes fundamentals of word analysis, roots, prefixes and suffixes in an orientation to the body as a whole. A survey of medical terminology of the following body systems includes: skin and breast, musculoskeletal, neurological/psychiatric, cardiovascular, respiratory, digestive, genitourinary, prenatal, maternal, endocrine, and special senses. Anatomical and physiologic terminology, combining forms, diagnostic terms, clinical and surgical procedures, laboratory tests and abbreviations are included. A basic requirement for most career opportunities in the allied health occupations and in the court systems is the comprehension of medical terminology. (CSU)

HS 147 C Survey of Disease**3 Units****Prerequisite(s):** HS 145 C and BIOL 210 C or BIOL 231 C or BIOL 241 C, with a grade of C or better

Term hours: 54 lecture. This course is a comprehensive survey of pathophysiology focusing on how diseases affect human body function along with diagnostic and therapeutic interventions. It includes chronic and degenerative diseases; cardiac, respiratory, hematologic, musculoskeletal, gastrointestinal, genitourinary and reproductive system disorders; genetic disorders; infectious diseases; neoplasia; and fluid, electrolyte and acid-base imbalance disorders. (UC/CSU)

HS 161 C Dying and Death - Grief and Mourning (same as HSCE 161 C)**3 Units**

Term hours: 54 lecture. This course is designed to assist individuals in such areas as personal death anxiety and working/living with the terminally ill person. Discussion includes special concerns such as how to handle typical grief reactions, special types of death or loss, hospice, and other related topics. (CSU)

HS 168 C Patient Care Skills - Open Lab**0.5-3 Units****Prerequisite(s):** Current first year Health Science program student, or re-entry students needing remedial assistance or health care professional seeking an environment to practice basic health science skills**Advisory:** BIOL 241 C, BIOL 220 C, BIOL 231 C and ENGL C1000

(ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E

(ENGL C1000E), or ESL 110 C Term hours: 27-162 laboratory depending

on units attempted

This open-entry, open-exit course with flexible hours and variable units allows self-paced individualized instruction and/or practice in basic patient centered care skills with Health Science faculty supervision. The course provides students with space, equipment and resources needed to learn skills and apply theory surrounding patient safety, oxygenation, regulation and movement with teamwork, collaboration, professionalism, evidence based practice and informatics to prepare for quality clinical experiences towards positive patient outcomes. \$15 Material Fee-Payable at Registration. Course may be taken four times for credit. Open Entry/Open Exit. Pass/No Pass only. (CSU)

HS 268 C Patient Care Skills - Open Lab**0.5-3 Units****Prerequisite(s):** Current second year Health Science program student or re-entry students needing remedial assistance or health care professional seeking an environment to practice advanced health science skills**Advisory:** BIOL 241 C, BIOL 220 C, BIOL 231 C and ENGL C1000 or

ENGL C1000E or ESL 110 C

Term hours: 27-162 laboratory depending on units attempted. This open-entry, open-exit course with flexible hours and variable units allows self-paced individualized instruction and/or practice in advanced patient centered care skills with Health Science faculty supervision. The course provides students with space, equipment and resources needed to learn skills and apply theory surrounding patient safety, oxygenation, regulation and movement with teamwork, collaboration, professionalism, evidence based practice and informatics to prepare for quality clinical experiences towards positive patient outcomes. May be taken for credit 4 times. Open Entry/Open Exit. Pass/No Pass only. \$15 materials fee payable at registration. (CSU)

HS 277 C Cultural Awareness and the Health Care System**3 Units**

Term hours: 54 lecture. This course will explore health knowledge, health behavior, social institutions and practices related to health, and the nature of health risk through the concept of culture. Varying definitions of health, well-being, understanding of health risk, illness causation and treatment theories, and healing curing traditions will be explored. By integrating complimentary medicine practices and traditional Western medicine and becoming a common practice, the origins, uses and effectiveness of such, i.e., cupping, Reiki, qi gong, acupuncture, and meditation, will be discussed. This class may be offered in an online format. (UC/CSU, AA GE).

HS 361 C Dying and Death and Grief and Mourning **3 Units**
Prerequisite(s): PSYC C1000 (PSY 101 C) or PSYC C1000H (PSY 101HC) or SOC 101 C Term hours: 54 lecture

This course is designed for upper division baccalaureate degree students interested in developing their conceptual frameworks and cognitive theories about death, dying, and grief, and increasing affective development and sensitivity to issues concerning death, dying, and grief. Students will become aware and sensitized to their personal assumptions, biases, attitudes, and reactions to death, dying, and grief, while increasing death competency and lowering death anxiety in order to demonstrate increased sensitivity, awareness, and skills in coping with loss and bereavement, supporting others in their struggle to deal with death issues, and by finding meaning and personal growth through encounters with death, loss, and grief. Enrollment limited to those accepted into a California community college baccalaureate degree program. (CSU)

History (HIST)

HIST 110 C Western Civilizations I **3 Units**

Advisory: Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C
 Term hours: 54 lecture. This course is a comprehensive study of the contributions of previous civilizations from prehistoric times to the beginning of the modern era. The development of the present day Western mind and institutions is traced by analyzing the beliefs, myths, accomplishments and problems of the civilizations of Mesopotamia, Egypt, Greece, Rome, the Medieval Period, Renaissance and Reformation. Duplicate credit not granted for HIST 110HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 170)

HIST 110HC Honors Western Civilizations I **3 Units**

Advisory: Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C
 Term hours: 54 lecture. This course is an enhanced comprehensive study of the contributions of previous civilizations from prehistoric times to the beginning of the modern era. The development of the present day Western mind and institutions is traced by analyzing the beliefs, myths, accomplishments and problems of the civilizations of Mesopotamia, Egypt, Greece, Rome, the Medieval Period, Renaissance and Reformation. Duplicate credit not granted for HIST 110 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 170)

HIST 111 C Western Civilizations II **3 Units**

Advisory: Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C
 Term hours: 54 lecture. This course covers the development of Western civilization from the beginning of the modern era to the present day. A major part of this course deals with the twentieth century. It covers monarchies, imperialism, scientific and industrial contributions, modern political ideologies and the World Wars with related political-social, and cultural issues. Duplicate credit not granted for HIST 111HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 180).

HIST 111HC Honors Western Civilizations II **3 Units**

Advisory: Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C
 Term hours: 54 lecture. This course is an enhanced comprehensive study of the development of Western civilization from the beginning of the modern era to the present day. A major part of this course deals with the twentieth century. It covers monarchies, imperialism, scientific and industrial contributions, modern political ideologies and the World Wars with related political-social and cultural issues. Duplicate credit not granted for HIST 111 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 180).

HIST 112 C World Civilizations I **3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture. This course is a survey of the roots and development of civilizations in Africa, the Americas, Asia, and Europe from the earliest times to 1550 CE. Duplicate credit not granted for HIST 112HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 150)

HIST 112HC Honors World Civilizations I **3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture. This course is an enhanced survey of the roots and development of the various civilizations in Africa, the Americas, Asia, and Europe from the earliest times to 1550 CE. Duplicate credit not granted for HIST 112 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 150)

HIST 113 C World Civilizations II **3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture. This course is a survey of the roots and development of civilizations in Africa, the Americas, Asia, and Europe from 1550 CE to the present. Duplicate credit not granted for HIST 113HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 160)

HIST 113HC Honors World Civilizations II **3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture. This course is an enhanced survey of the roots and development of civilizations in Africa, the Americas, Asia, and Europe from 1550 CE to the present. Duplicate credit not granted for HIST 113 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 160)

HIST 120 C History of the Holocaust **3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term hours: 54 lecture. A study of the history and events of the Holocaust, including the birth of Antisemitism, the rise of Adolph Hitler and the Nazi Party, WWII, the Final Solution, the Nuremberg Trials and aftermath. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

HIST 124 C U.S. Hispanic History to 1945 **3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C
 Term hours: 54 lecture. Survey of Hispanic political and social history in the U.S. from the Pre-Columbian period to 1945. Emphasis on Hispanic contributions to the political, social, economic, and cultural development of the U.S. We will also examine the relationship of Hispanics to other cultural groups. (CSU/UC, AA GE).

HIST 125 C U.S. History: Conflict West **3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
 Term Hours: 54 lecture. This course surveys the conflict in North America and the West from the pre-Columbian period to the early 20th century, primarily focusing on the effects of the U.S. Constitution and law, military, and Federal Government. (CSU/UC, AA GE, SOC JUST, CalGETC)

HIST 135 C History of Africa **3 Units**

Advisory: Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C
 Term hours: 54 lecture. This course is a survey of the history of Africa from the continent's earliest beginnings to contemporary times. A special emphasis is placed on the various cultures of Africa, demography and general chronology of the rise and fall of nation states, and the impact of Western culture through the colonial, neo-colonial, and contemporary periods. (UC/CSU, AA GE, CalGETC).

HIST 142 C History of Latin America I**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course surveys Latin America's history, from the pre-Columbian, through colonization into the independence movements of the 19th century. A particular focus will be on understanding the blending of European, African, Native, and other societies that form distinctive Latin American cultures and the social, economic, and political ramifications. (UC/CSU, AA GE).

HIST 143 C History of Latin America II**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course surveys the history of Latin America from the nineteenth-century independence revolutions to the present, highlighting Latin American nations' endeavors of modernization, international ties, and the impact on matters of economics, socio-politics, and cultural traditions. (UC/CSU, AA GE, CalGETC).

HIST 151 C Survey of British History I**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL 100 HC), ENGL C1000E (ENGL C1000E), or ESL 110 C Term hours: 54 lecture. This course is a survey of English history and civilizations from prehistoric times to the end of the Stuart period. The course concentrates on the development of governmental institutions, and the cultural and intellectual foundations of England and its people. (UC/CSU, AA GE, CalGETC).

HIST 152 C Survey of British History II**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C Term hours: 54 lecture

This course is the continuing survey of the development of the United Kingdom from 1715 to the present. Special emphasis in this course will be placed on England's political and cultural expansion around the globe. (UC/CSU, AA GE, CalGETC).

HIST 160 C Asian Civilizations I**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is a comparative history of the civilizations of Asia from their birth to the 19th century. It explores the social, cultural, political, and economic developments of East, South, and Southeast Asian countries. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC).

HIST 161 C Asian Civilizations II**3 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is a comparative history of the civilizations of Asia from the 19th century to the present. It explores the social, cultural, political, and economic developments of East, South, and Southeast Asian countries. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC)

HIST 163 C History of Mexico**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a survey of the economic, socio-cultural and political history of Mexico from the pre-Columbian period to the present. (UC/CSU, AA GE, CalGETC)

HIST 165 C History of the Middle East**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C Term hours: 54 lecture

This course covers the historical development of the Middle East from the rise of Middle Eastern civilization to the present. Emphasis will be placed on the Jewish and Islamic religions, as well as the key political and social conflicts through modern times in the region. (UC/CSU, AA GE, CalGETC).

HIST 170 C History of the United States I**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture. This course is a survey of American history from the colonial foundations to 1877. The course satisfies state requirements in American history and institutions for transfer. Duplicate credit not granted for HIST 170HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 130)

HIST 170HC Honors History of the United States I**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is an enhanced survey of American history from the colonial foundations to 1877. This course satisfies state requirements in American history and institutions for transfer. Duplicate credit not granted for HIST 170 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 130)

HIST 171 C History of the United States II**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

This course is a survey of American history from 1877 to the present. This course satisfies state requirements in American history and institutions for transfer. Duplicate credit not granted for HIST 171HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 140)

HIST 171HC Honors History of the United States II**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 Lecture. This course is an enhanced survey of American History from 1877 to the present. This course satisfies state requirements in American History and institutions for transfer. Duplicate credit will not be granted for HIST 171 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:HIST 140)

HIST 190 C History of the Americas I (formerly HIST 162AC)**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture. This course is a survey of the history of the Western hemisphere from its discovery to the wars of independence. Emphasis is placed upon European conquest, the interaction of Europeans with Native American and African cultures, and the planting of colonial societies in the New World. Spanish America, Brazil, Canada, and the United States are compared as to their socio-cultural, economic, and political development during the colonial and independence periods. (UC/CSU, AA GE, CalGETC)

HIST 191 C History of the Americas II (formerly HIST 162BC)**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term

hours: 54 lecture This course is a comparative study of the political, social, and economic development of the independent nations of the Western hemisphere from the wars of independence to the present. Emphasis is placed upon the present international relations of these nations. (UC/CSU, AA GE, CalGETC)

HIST 270 C Women in United States History**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term

hours: 54 lecture This course is a survey of the economic, social, intellectual and political history of women in America from colonial times to the present. Special emphasis is placed upon the feminist movements and the suffrage struggle of the 19th and 20th centuries. (UC/CSU, AA GE, CalGETC)

HIST 275 C History of California**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course surveys the economic, social, ethnic, intellectual, and political history of California from the earliest times to the present. Special emphasis is placed upon issues of diversity caused by demographic changes. (UC/CSU, AA GE, CalGETC)

HIST 295 C Research Methods - Oral History (same as SOSC 295 C)**2 Units**

Term hours: 18 lecture and 54 laboratory. This course introduces the student to the special techniques of tape recorded interviews to document 20th century history. Areas of study will include interviewing techniques, historical editing, and transcripts of interviews. This course does not satisfy General Education requirements in Social Science. (CSU)

HIST 298 C History Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-648 laboratory. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings a particular semester. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

HIST 299 C History Independent Study**1 Unit****Prerequisite(s):** Approved Independent Study Learning Contract

Varying hours of scheduled conferences per week according to instructor. This Independent study course is for able students who wish to extend their knowledge of a particular area through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so that they could learn more regarding their special topic. Course may be taken three times for credit. (UC Credit Limitation/CSU)

Hotel, Restaurant, Culinary Arts (HRC)

HRC 100 C Nutrition**3 Units**

Term hours: 54 lecture. This course is a study of the interactions between food and living organisms. This course includes the role of carbohydrates, fats, protein, vitamins, water and minerals in regards to nutritional status. Duplicate credit will not be granted for HRC 100 HC. (UC/CSU, AA GE, C-ID: NUTR 110)

HRC 100HC Honors Nutrition**3 Units**

Term hours: 54 lecture. This honors-enhanced course focuses on the study of the interactions between food and living organisms. Course includes the role of carbohydrates, fats, protein, vitamins, water and minerals in regards to nutritional status. Duplicate credit will not be granted for HRC 100 C. (CSU/UC, AA GE, C-ID: NUTR 110).

HRC 101 C Introduction to Hospitality Management**3 Units**

Term hours: 54 lecture. Overview of structure, financial performances and career opportunities in the hospitality industry including food and beverage management, culinary arts, baking and pastry, lodging, restaurants, special events, managed services, attractions, tourism and related operations. Focus on orientation to customer service, cultural and economic trends and career opportunities. (CSU, C-ID:HOSP 100).

HRC 105 C Careers Dietetics and Food Science**2 Units**

Term hours: 36 lecture. Exploration of the fields of Dietetics and Food Science, including trends, future projections and employment opportunities (CSU)

HRC 120 C Sanitation and Safety**2 Units**

Term hours: 36 lecture. Overview of sanitation and safety principles, HACCP and prepare students for the national Servsafe Manager Certification examination. Course content includes strategies to identify and prevent foodborne illness, the flow of food through food service operations and sanitation management. (CSU, C-ID:HOSP 110).

HRC 125 C Restaurant Management**3 Units****Prerequisite(s):** HRC 101 C and HRC 120 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. Manage all aspects of restaurant operations through theoretical studies and hands on practice. Topics include functions of management, marketing, role of service, effective cost control, labor strategies and the leadership skills required to effectively manage restaurant operations. \$50.00 Materials fee - Payable at Registration. (CSU, C-ID:HOSP 130)

HRC 135 C Culinary Fundamentals I**3 Units****Prerequisite(s):** Completion of or concurrent enrollment in HRC 120 C

Term hours: 36 lecture and 72 laboratory. Great cuisine rests on the mastery of seemingly simple preparations and techniques that determine the quality of the final product. This course will focus on the basic principles, skills, and techniques associated with culinary arts, involving various cooking methods including classic and modern techniques. Students will identify various kitchen to include; food products and equipment used within the commercial food operation. \$95.00 Material Fee - PAYABLE AT REGISTRATION. (CSU, C-ID:HOSP 160).

HRC 136 C Baking Fundamentals I**3 Units****Prerequisite(s):** Completion of or concurrent enrollment in HRC 120 C with a minimum grade of C or better

Term hours: 36 lecture and 72 laboratory. Well-executed desserts rely on a mastery of fundamental techniques. This course will focus on the history of baking, terminology, ingredients, equipment, storage and sanitation in the bakeshop. Students will gain hands on experience in using various mixing, holding and baking methods to create an assortment of cookies, quick breads, cakes, pies, savory products, specialty diet products, and yeast breads. \$95.00 Material Fee - Payable at Registration. (CSU).

HRC 145 C The Art of Garde Manger**3 Units****Prerequisite(s):** HRC 120 C and HRC 135 C with minimum grade of C or better

Term hours: 36 lecture and 72 laboratory. This course will focus on the discussion, application and production methods used in today's Garde Manger kitchen, as well as the importance of accurate knife cuts and presentation methods to make food aesthetically appealing. HRC 145 includes topics such as Knife Cuts, Cold Sauces, Emulsifications, Hot and Cold Hors d'oeuvres, Cured and Smoked Meat and Fish and Sausage-Making. \$120.00 Material fee - Payable at Registration. (CSU).

HRC 152 C Menu Planning and Purchasing**3 Units****Prerequisite(s):** Completion of or concurrent enrollment in HRC 101 C with a grade of C or better

Term hours: 54 lecture. This course examines the principles of menu planning, hospitality procurement, purchasing, receiving and inventory techniques. Strategies for menu analysis, standardized recipes, menu layout and design relating to profitable hospitality operations will be explored. (CSU)

HRC 155 C Food Science**3 Units****Prerequisite(s):** HRC 120 C and HRC 135 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course blends culinary arts and the science of food. This course studies raw materials and their behavior during formulation, processing, packing and storage and includes evaluation as consumer products. \$95.00 Material Fee - PAYABLE AT REGISTRATION. (UC/CSU)

HRC 160 C Hotel and Lodging Operations**3 Units****Prerequisite(s):** Completion of or enrollment in HRC 101 C with a grade of C or better

Term hours: 54 lecture. Overview of hotel and lodging operating systems, business practices and careers, to include: front office, housekeeping, property maintenance, food and beverage, human resources management, information systems and sales and marketing. (CSU, C-ID: HOSP 140)

HRC 164 C Hospitality Law**3 Units****Prerequisite(s):** Completion of or concurrent enrollment in HRC 101 C with a grade of C or better

Term hours: 54 lecture. This course covers the exploration of legal relationship and considerations when managing hospitality operations with emphasis on compliance best practices and prevention of liabilities. Topics include serving food safely, responsible alcohol service, selecting and managing employees, regulatory concerns, property management, hospitality operating structures, liability, contracts, safety and security, and crisis management. (CSU/C-ID: HOSP 150)

HRC 170 C Beverage Management**3 Units**

Term hours: 45 lecture and 27 laboratory. This course is designed for students who intend to pursue a career in food and beverage management. Topics include wine, beer, spirits, coffee and tea beverage trends, risk-liability management, purchasing, storage, loss prevention, responsible alcohol service, beverage pricing, food pairing and mixology. \$35 materials fee payable at registration. (CSU)

HRC 230 C Hospitality Leadership**3 Units****Prerequisite(s):** HRC 101 C with a grade of C or better**Advisory:** HRC 160 C

Term hours: 54 lecture. Exploration of hospitality management and leadership strategies. Case study analysis will focus on management and leadership principles, role of diversity, reputation management and ethical considerations in the hospitality industry. (CSU)

HRC 231 C Cost Control in Hospitality**3 Units****Prerequisite(s):** Completion of or concurrent enrollment in HRC 101 C with a grade of C or better**Advisory:** HRC 152 C

Term hours: 54 lecture. Examination of cost control and revenue management best practices. Students will identify, analyze, and solve problems in order to keep costs low and profit margins high in the hospitality industry. Areas covered in course include: management of revenue and expenses, cost of goods, profit relationships, forecasting, use of technology to enhance controls, financial analysis and labor control and theft avoidance. (CSU, C-ID:HOSP 120).

HRC 232 C Event Management**3 Units****Prerequisite(s):** Completion of HRC 101 with a grade of C or higher

Term hours: 54 lecture. The course is a comprehensive study of the field of event management with emphasis on creating and executing events. Topics include: event venues, event organization and management, skills, abilities and tools utilized by event managers. (CSU)

HRC 235 C Culinary Fundamentals II**3 Units****Prerequisite(s):** HRC 120 C and HRC 135 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. Great chefs rest on mastering the advance techniques utilized in today's commercial kitchens. The most crucial is flavor development, which students begin to learn at the start of their studies. This course will focus on the principles, skills, and techniques associated with advanced culinary arts, involving fabrication and identification of common proteins utilized in commercial operations. \$120.00 Materials Fee - PAYABLE AT REGISTRATION. (CSU)

HRC 236 C Baking Fundamentals II**3 Units****Prerequisite(s):** HRC 136 C with a grade of B or better and completion of or concurrent enrollment in HRC 120 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. Creating classic cakes and tortes, artisan breads and frozen desserts calls for creativity and technical understanding. This course focuses on advanced pastries and bread production. Products include classical cakes and tortes, frozen desserts, artisan breads and Viennoiserie. Emphasis will be placed on commercial production of high quality products and professional presentation. \$95.00 Material fee - Payable at Registration. (CSU)

HRC 246 C Pastry Arts**3 Units****Prerequisite(s):** HRC 236 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. Candy making, cake decorating, and dessert plating represent the ultimate fusion of art and craft. This course focuses on pastry arts to include macarons, petit fours, specialty cakes, chocolates, confections, frozen deserts, and restaurant style desserts. Emphasis will be placed on commercial production of high quality products and professional presentation. \$120.00 Material fee - Payable at Registration. (CSU)

HRC 255 C American Regional Cuisine**4.5 Units****Prerequisite(s):** HRC 120 C and HRC 235 C or HRC 236 C with a grade of C or better

Term hours: 36 lecture and 144 laboratory. This culinary tour of America includes product identification, correct utilization and cooking methods. This course focuses on a regional perspective of American cuisine. Students will have the opportunity to produce regional specialties while researching the influence of culture on the development of American cuisine. \$95 materials fee payable at registration. (CSU)

HRC 265 C World Cuisine**4.5 Units****Prerequisite(s):** HRC 120 C, HRC 235 C or HRC 236 C with a grade of C or better

Term hours: 36 lecture and 144 laboratory. An advanced skill level hands-on culinary production course where a tasting and evaluating approach is used to teach students how to cook cuisine from countries around the world. It emphasizes the ingredients, origins, cooking techniques, tools, equipment and characteristics of cuisine from a global perspective. \$95.00 Material fee - Payable at Registration (CSU)

HRC 290 C Hospitality Capstone**3 Units****Prerequisite(s):** HRC 101 C with a grade of C or better

Term hours: 54 lecture. This course prepares students for careers and upward mobility in the hospitality industry. Students will develop industry expected employability skills to include professionalism, networking, business communication, resume, effective interviewing and use of social media will be covered. Students will synthesize related industry experience through the creation of personalized career portfolio and hospitality service learning project. (CSU)

HRC 295 C Internship**3 Units**

Prerequisite(s): Completion of or concurrent enrollment in HRC 101 C with a grade of C or better

Term hours: 18 lecture. This course offers practical work experience in an approved hospitality and culinary related industry for students in the Hotel, Restaurant, Culinary Arts (HRC) program. This course is designed to provide related employment learning opportunities, career readiness and upward mobility. (CSU)

HRC 298 C Hospitality Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 0-1620 laboratory depending on units attempted. This course is for students who wish to increase their knowledge of the hotel, restaurant, and/or culinary arts industries. Various topics will be offered. Unit credit may range from 1/2 to 12 units in any given semester. Consult the class schedule to verify credit for a particular semester. Pass/No Pass or Letter Grade Option. Fees may be required-Payable at Registration. (CSU)

HRC 299 C Independent Study**0.5-2 Units**

Human Services (HUSR)

HUSR 084 C Introduction to Behavior Modification**0.5 Units**

Term hours: 9 lecture. This course is for individuals working in programs for developmentally disabled persons, as well as those interested in the field. It will cover basic information about behaviorally oriented work with such clients, including content on behavior modification, teaching methods and ways to encourage clients.

HUSR 200 C Introduction to Human Services**3 Units**

Term hours: 54 lecture. This course covers the history and philosophy of the human services; function and orientation of human services agencies and institutions; human services as careers; opportunities and qualifications at various entry levels of human services employment. (CSU)

HUSR 210 C Introductory Fieldwork**3 Units**

Prerequisite(s): HUSR 200 C with a grade of C or better

Term hours: 16 lecture and 126 laboratory. This course offers observation and participation in the operations of human services agencies. The student will document 126 hours of supervised field study per semester and will attend one hour lecture per week. Pass/No Pass/Letter Grade Option (CSU)

HUSR 211 C Advanced Fieldwork**3 Units**

Prerequisite(s): HUSR 210 C Term hours: 16 lecture and 126 laboratory

This course is the second of a two-semester sequence of volunteer or paid fieldwork experience. The student will apply values, concepts and skills of core human services courses to the actual process of helping people. Emphasis of this semester is on sharpening skills and knowledge gained in the introductory field experience. There is one hour of classroom experience per week. Pass/No Pass/Letter Grade Option (CSU)

HUSR 214 C Case Management and Documentation**3 Units**

Term hours: 54 lecture. This introductory course familiarizes students to the basic concepts and skills of case management and documentation in the field of Human Services. This course focuses on the skills of case management in the context of needs assessment, documentation, referral, service planning, and service provision. (CSU)

HUSR 215 C Introduction to Family Studies**3 Units**

Term hours: 54 lecture. This course involves intergenerational family studies and related career exploration to introduce Human Services students to family issues and to skills, theories, and competencies needed to empower families for reaching their goals. Various family issues, family/worker relationships, strength-based assessments, resource referral/utilization, community service coordination, and family and worker stress management are covered. (CSU)

HUSR 221 C Crisis Intervention and Referral**3 Units**

Term hours: 54 lecture. This course introduces techniques for beginning crisis counseling, including recognition of crisis, assessment of crisis, and referral to the appropriate crisis agency. Special attention will be given to the process of intervention and to the recording of information regarding problems with alcohol and other drugs. Participants will implement a variety of crisis skills through an experiential format. (CSU)

HUSR 222 C Group Leadership-Group Process**3 Units**

Term hours: 54 lecture. This course examines membership and leadership in a variety of groups, with emphasis on the total group process. An overview of the various types of groups will be given as well as the values and limitations of groups, cautions and risks of groups and common misconceptions about groups. The student will be offered experience as a group member and a group leader. (CSU)

HUSR 223 C Helping Skills-Human Services**3 Units**

Term hours: 54 lecture. This course involves identification and application of specific helping skills in intrapersonal and interpersonal relations. It is designed for persons in helping roles, professional and paraprofessional, or volunteers in Human Services. (CSU)

HUSR 224 C Self-Esteem Strategies**3 Units**

Term hours: 54 lecture. This course is designed for those considering a career in management and staff development in Human Services Agencies, with special application to client after-care programs. Theory and technique are combined in this skills class to assist case managers and program directors with assessment and evaluation, individual recovery program development, educational process and materials, and utilization of resources and referral procedures. This course focuses on issues of self-esteem, concept formation, problem solving, time management, emotional intelligence, and decision making for client and/or staff development. (CSU)

HUSR 225 C Families and Substance Abuse**3 Units**

Term hours: 54 lecture. This course presents the dynamics of the family system as they are affected by addiction. Theories of healthy and unhealthy family interaction are explored and the experiential format provides the opportunity for skill development and practical experience. (CSU)

HUSR 226 C Behavior Modification**3 Units**

Term hours: 54 lecture. This course includes both theory and practice in behavior modification principles. It teaches skills such as observing and recording behavior, uses of reinforcement, extinction, punishment, etc. Self-management techniques to assist in control of one's own behavior will also be discussed. Topics have wide application in any course of study and will require dealing effectively with others, or with more effective management of oneself. (CSU)

HUSR 240 C Drugs and Alcohol in Our Society**3 Units**

Term hours: 54 lecture. This course provides an overview of the epidemiology and toxicology of substance abuse and its relevance to personal and public health. Students will be introduced to the concept of substance abuse and dependence, the definition of licit and illicit drugs, and the pharmacologic, neurologic and physiologic effects of selected substances on the human brain. Political, social and economic factors involved in the supply and demand for drugs will be discussed. Epidemiologic data on the prevalence, incidence, and trends of smoking, alcohol, prescription and other drug dependencies in the U.S. will be covered, as well as risk factors associated with the use and abuse of these substances. Current options for recovery and a survey of local resources will be reviewed. (CSU/UC, C-ID: PHS 103)

HUSR 241 C Intervention Strategies**3 Units**

Term hours: 54 lecture. This course will serve as an assessment and treatment approach to individuals having problems with alcohol and other drugs. Alcoholism will be studied in its social and clinical context. Attention will be given to basic theoretical approaches to the disease. Major emphasis will be on the philosophical and clinical approaches to treating the alcoholic and to promoting recovery. (CSU)

HUSR 242 C Drugs and Physiology**3 Units**

Term hours: 54 lecture. This course explores the effects of alcohol and other drugs on the body. It examines the physiology of alcohol in two areas: (1) physical effects of alcohol on the body, and (2) the physiological effects of the disease processes associated with heavy drinking. (CSU/C-ID: ADS 140 X)

HUSR 243 C Co-Occurring Disorders**3 Units**

Term hours: 54 lecture. This course will introduce the student to the treatment needs of those who have a psychiatric disorder in combination with a chemical dependency disorder. Students learn to identify and assess those with a dual diagnostic/co-occurring disorder. Pass/No Pass/Letter Grade Option. (CSU)

HUSR 270 C Introduction to Victimology**3 Units**

Term hours: 54 lecture. This course responds to the emerging social concern regarding the cost of victimization to our society today. It provides education, information on existing resources, and direct participation in the creation and expansion of existing resources of treatment and recovery of victims and perpetrators. (CSU)

HUSR 271 C Society and Victimization**3 Units**

Term hours: 54 lecture. This course will provide an understanding of the social problems of victimization with in-depth focus on both perpetrator and victim. Specific issues will be explored including their genesis and specific methods of identifying issues regarding self-help and support activities from a clinical approach. (CSU)

HUSR 275 C Ethical Issues in Human Services**3 Units**

Term hours: 54 lecture. This course presents the rules and standards governing the professional conduct of those working in Human Services Agencies. Issues of client/patient rights, confidentiality, physical and emotional abuse, and counselor/client relationships will be explored in great depth. (CSU, C-ID: ADS 160 X)

HUSR 281 C Prevention Strategies**3 Units**

Term hours: 54 lecture. This course will present the history, theories and current strategies for prevention of alcohol and drug problems and for reduction of harm caused by those with problems (harm reduction). Conceptual frameworks, major research, epidemiology, environmental risk factors and the effectiveness of various prevention strategies will be examined. (CSU)

HUSR 290 C Human Services in Criminal Justice**3 Units**

Term hours: 54 lecture. This experiential course will survey the historical, and philosophical aspects of criminal behavior and the functions and objectives of parole and probation. Students will examine the skill requirements, the major tasks and responsibilities, the role and function and the overall mission of the service provider in the criminal justice system. The judicial system and its relationship to the criminal offender will be examined as well as modern approaches in the control of crime. Resources for re-socializing the offender will be explored. (CSU)

HUSR 291 C Counseling in Criminal Justice**3 Units**

Term hours: 54 lecture. This course explores current theory and practice in the counseling of those in state prison treatment programs. Topics include an overview of the California Department of Corrections, the inmate classification system, specialized inmate management topics, violence and violence management strategies, victim awareness issues, the processes of addiction and recovery, an overview of assessment instruments, an exploration of sociopathy, and group counseling dynamics. (CSU)

HUSR 293 C Conflict Resolution-Mediation**3 Units**

Course hours 54 lecture. This course examines the background, development and methodology of non-violent, non-litigious conflict resolution with emphasis on theory and the practice of mediation. This is a state certified course designed to train individuals to be effective in resolving conflict in the family, the community, the classroom and the workplace. Pass/No Pass/Letter Grade Option. (CSU)

HUSR 294 C Careers in Criminal Justice**3 Units**

Term hours: 54 lecture. This course will provide the student with the opportunity to explore, in-depth, the breadth and scope of career opportunities in the field of criminal justice. Specific careers will be explored through guest speakers, field trips, on-site observations and mentoring opportunities. Students will gather knowledge and gain an appreciation for the criminal justice field as a result of this course. Pass/No Pass/Letter Grade Option. (CSU)

HUSR 295 C Cross-Cultural Criminology**3 Units**

Term hours: 54 lecture. This course will explore cross-cultural customs and traditions from a criminal justice perspective. Specific cultures that are represented in significant numbers within the United States will be explored. Students will gather knowledge and gain an appreciation for the cross-cultural aspects within the field of criminal justice. Pass/No Pass/Letter Grade Option. (CSU)

Interdisciplinary Studies (INDS)

INDS 092 C Work Experience-General**3 Units**

Prerequisite(s): Must be enrolled in seven units, including work experience

Term hours: 18 lecture and a minimum of five hours of employment per week for each unit of credit. This course provides students with actual work experience through mutual agreement with selected employers. Work may include the acquisition of desirable work habits and attitudes toward jobs. The job held by the student need not be related to the occupational goal of the student. The student may earn no more than three credit units per semester with a maximum total of six during the student's enrollment in any community college. Student's employment need not be limited to the five-hour increment for which the student gains credit. May be taken for credit 3 times.

INDS 100 C Humanities - Ancient and Medieval (same as ENGL 110 C)**3 Units**

Prerequisite(s): Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Same as ENGL 110 C Term hours: 54 lecture. This course is a survey of the development of Western culture with a focus upon its Greco-Roman roots, and a study of other important influences, including African and Middle Eastern. The course covers prehistory to the Renaissance, with an emphasis on the arts. Duplicate credit not granted for ENGL 110 C. Cost for museum visits not to exceed \$15.00. (UC/CSU, CalGETC)

INDS 101 C Humanities: Renaissance-Present**3 Units**

Prerequisite(s): Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

This course is a survey of the development of Western culture from the Renaissance to the present, including a study of other important influences from Africa, the Middle East, North and South America, with an emphasis on the arts. Duplicate credit not granted for ENGL 111 C. Cost for museum visits not to exceed \$15.00. (UC/CSU, CalGETC)

INDS 115 C Learning Communities Seminar**1 Unit**

Term hours: 18 lecture. This is a course specifically designed for students participating in Learning Communities. Students will use both traditional and electronic tools to research, analyze, discuss, and evaluate materials associated with Learning Community themes. May be taken for credit 2 times. Pass/No Pass/Letter Grade Option. (CSU)

INDS 200 C Introduction to Global Citizenship Studies**3 Units**

Term hours: 54 lecture. This course is an introduction to the interdisciplinary field of global citizenship studies, i.e., the interconnected economic, political, social, cultural and ecological challenges that have led to both amazing technological innovations and global interconnectedness; also discussed will be climate change, diminishing biodiversity, and ongoing social inequities. Discussions will center on strategies for transformation and resolution. (UC/CSU, AA GE, CalGETC)

INDS 201 C Global Citizenship Issues**3 Units**

Term hours: 54 lecture. This course continues the discussion of globalization challenges, to include their origins, current status, and future trends. The interrelated issues impacting global and local communities include demographics, economics and inequality, basic human needs (e.g., food, water, healthcare), human rights, international conflicts, pandemics and security concerns, climate change and ecological devastation. This course also focuses on global governance and the study of collective global responsibilities. Framed by Global Citizenship Education (i.e., GCE; United Nations), multiple documents and resources will be utilized towards transformative resolution. (CSU/UC, AA GE, CalGETC, SOC JUST)

Japanese (JAPN)

JAPN 098 C Japanese Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This seminar course is for able students who wish to extend their knowledge of literature, language and culture through small group discussion. Pass/No Pass or Pass or Letter Grade option. Fees may be required-Payable at Registration.

JAPN 100 C Spoken Japanese for Beginners**3 Units**

Term hours: 54 lecture. This course is for students who would like to take conversational Japanese without having to learn the complicated writing system. This will be an introduction to spoken Japanese, with emphasis on vocabulary development, use of the common phrases and culturally appropriate language at beginning levels. Conducted mainly in Japanese through the use of the direct teaching method. Pass/No Pass/Letter Grade Option. (CSU/AA GE)

JAPN 101 C Elementary Japanese I**5 Units**

Term hours: 90 lecture. The course emphasizes the acquisition of basic skills in pronunciation, listening, speaking, reading and writing. Students will be introduced to the culture, history and geography of Japan through lectures, slides, videos, photographs, films, and reading assignments. Not intended for native Japanese speakers. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE)

JAPN 102 C Elementary Japanese II**5 Units**

Prerequisite(s): JAPN 101 C with a grade of C or better or one year of high school Japanese with a grade of C or better

Term hours: 90 lecture. This course continues to emphasize the acquisition of basic skills in pronunciation, listening, speaking, reading, and writing. Students will increase their knowledge of the culture, history, and geography of Japan and Japanese through lectures, films, and reading and writing assignments. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

JAPN 125 C Japanese Culture through Film**3 Units**

Term hours: 54 Lecture. This course is a critical study of Japanese culture through viewing films of great directors. The student will study artistic works of internationally recognized principal directors and examine uniquely Japanese traits and critically analyze the identification of characters. The course will provide students with insights into Japanese culture and techniques for the critical analysis of film. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE, CSU GE)

JAPN 200 C Conversational Japanese**2 Units**

Prerequisite(s): JAPN 102 C with a grade of C or better

Term hours: 36 lecture. This course will focus on practical conversation with emphasis on the idiomatic usage of the language. Topics concern Japanese life, culture, and current events. Students will prepare for this class through the study of the required textbook, magazines, newspapers and other current materials. This course is conducted in Japanese. Pass/No Pass/Letter Grade Option. (CSU/UC)

JAPN 201 C Study of Kanji**3 Units**

Prerequisite(s): JAPN 101 C or JAPN 102 C with a grade of C or better

Term hours: 54 lecture. This is a low intermediate skills course designed to improve the reading, writing, listening, and understanding of Kanji. Students will practice and learn 420 basic Kanji, as components of more complex Kanji. This will prepare students to take the Japanese government's proficiency examination at the 10th and 9th level. Pass/No Pass/Letter Grade Option (CSU/UC)

JAPN 203 C Intermediate Japanese III**4 Units**

Prerequisite(s): JAPN 102 C with a grade of C or better or two years of high school Japanese with a grade of C or better

Term hours: 72 lecture. This course emphasizes the acquisition of advanced skills in listening, speaking, reading, and writing. Students will be introduced to further elements of the culture, history, and geography of Japan through lectures, slides, films, dialogues and reading and writing assignments conducted in Japanese. Pass/No Pass/Letter Grade Option. (CSU/UC/AA GE, CalGETC)

JAPN 204 C Intermediate Japanese IV**4 Units****Prerequisite(s):** JAPN 203 C with a grade of C or better

Term hours: 72 lecture. The course emphasizes the acquisition of advanced skills in listening, speaking, reading, and writing. Students will be introduced to further elements of the culture, history, and geography of Japan through lectures, slides, films, dialogues and reading assignments conducted in Japanese. Pass/No Pass or Letter Grade Option. (CSU/UC, AA GE, CalGETC)

JAPN 298 C Japanese Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This seminar course is for able students who wish to extend their knowledge of literature, language and culture through small group discussion. Pass/No Pass or Letter Grade option. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

JAPN 299 C Japanese Independent Study**0.5-2 Units****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: 9-36 lecture/conference depending on units attempted. This course is designed for able students who wish to increase their knowledge of the Japanese language through individual study or research. Students should consult the class schedule to verify credit for a particular term. Unit credit may range from 1/2 - 2 units in any given semester. Pass/No Pass or Letter Grade option. (CSU/UC Credit Limitation)

Journalism (JOUR)

JOUR 101 C Reporting and Writing**3 Units****Prerequisite(s):** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C**Advisory:** Ability to type 20 words per minute

Term hours: 54 lecture. This course is an introduction to gathering, synthesizing/organizing and writing news in journalistic style across multiple platforms. Includes role of the journalist and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other events, writing under deadline and the use of Associated Press Style. (CSU/UC, C-ID: JOUR 110)

JOUR 110 C Global Media**3 Units**

Term hours: 54 lecture. This course is a survey of global mass communication and the interrelationships of media with society including history, structure and trends in a digital age. Discussion of theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity. (CSU/UC, AA GE, CalGETC, C-ID: JOUR 100)

JOUR 118 C Messages for Electronic Media**3 Units**

Term hours: 54 lecture. This speech and mass communications course investigates the history, theory, contemporary issues, and current law in broadcasting, cable and the Web. Students create and broadcast video and audio presentations in addition to learning through lecture and reading. (UC/CSU)

JOUR 130 C Visual Communication (formerly MM 110 C)**3 Units**

Term hours: 54 lecture. This course is a survey of the significant techniques and examples of visual communication as employed by the mass media, including the World Wide Web, newspapers, magazines, television, and advertising. Discussion and demonstration of the tools used in analyzing visual communication. Creation and analysis of images for print, Web and video. (UC/CSU/C-ID: JOUR 170)

JOUR 140 C Public Relations**3 Units****Advisory:** Ability to type 20 WPM and understand basic computer operations

Term hours: 54 lecture. This course covers the principles, history and development, and professional practice of modern public relations. Includes concepts of planning and executing effective communications strategies, including message design and distribution, for any organization. (CSU/C-ID: JOUR 150)

JOUR 225 C Student Media Practicum I**3 Units****Advisory:** Should be able to type 20 words per minute

Term hours: 36 lecture and 54 laboratory. In this course, students will produce daily, under the direction of student editors and producers, news and feature content for student media. Student media includes World Wide Web publications, print publications, video production for file streaming and podcasting, live Webcast streaming of audio and video productions, the use of social networking tools, and, possibly, public access cable television. Student media serves students, staff and faculty on campus plus a community audience. Students will learn the basics of design/layout; visual, online and multimedia journalism, and explore emerging technologies. Students will report to advanced student editors in a newsroom in which students control all content. (CSU/C-ID: JOUR 130)

JOUR 226 C Student Media Practicum II**3 Units****Prerequisite(s):** JOUR 225 C with a grade of C or better**Advisory:** Should be able to type 20 words per minute

Term hours: 36 lecture and 54 laboratory. This course emphasizes creating and maintaining The Cypress Chronicle student news website, CyChron.com. The course is taught in a newsroom using the media convergence model in which students work alongside of, and share their production with, other campus media. Skills developed include writing for the internet, using digital photography, editing digital video and audio, using on-line publishing software, plus managing media and advertising. (CSU/C-ID: JOUR 131)

JOUR 227 C Student Media Practicum III**3 Units****Prerequisite(s):** JOUR 226 C with a grade of C or better**Advisory:** Ability to type 20wpm

This course requires higher skill level and/or leadership/management involvement than JOUR 226 C. The students will demonstrate how to produce family content under the direction of student editors and producers, news and feature content for student media. Student media includes World Wide Web publications, print publications, video production for file streaming and podcasting, live Webcast streaming of audio and video productions, the use of social networking tools and possibly public access cable television. Student media serves students, staff and faculty on campus plus a community audience. Students will demonstrate learned skill sets to produce design/layout, visual, online and multimedia journalism, and explore emerging technologies. Advanced students learn to be editors in a newsroom in which students control all content.

JOUR 228 C Visual Journalism**3 Units****Advisory:** Should be able to type 20 words per minute

Term hours: 54 lecture. This course trains visual journalists who use video and still imaging for electronic news gathering. It focuses on theory and practice in press and publications photography, with emphasis on using the DSLR camera as a reporting and communications tool. Covered are news and feature photography and photographic essays, including composition, impact, and creativity, for print, World Wide Web, broadcast, and Webcasting. (CSU, C-ID: JOUR 160)

JOUR 229 C Broadcast Production**3 Units****Advisory:** Should be able to type 20 words per minute

Term hours: 54 lecture. Emphasis is on creating broadcast television and radio style programming for posting as files and for streaming on the internet as well as for distributing conventionally. The course is taught in a newsroom using the media convergence model in which students work alongside of, and share their production with, other campus media. Skills developed include broadcast writing, videography, audio and video production, and internet distribution, plus managing media and advertising. (CSU)

JOUR 230 C Video for Photographers**3 Units****Prerequisite(s):** Completion of or concurrent enrollment in PHOT 101 C with a grade of C or better

Term hours: 54 lecture. Video for Photographers introduces the photographer to the use of a single device—a digital camcorder with frame capture or a digital camera with high-definition video, or a hybrid device—for simultaneous video and still imaging. The student learns single-camera and three-camera production techniques on location and in the studio. The course includes using the still camera motor drive as a digital video tool. The student's project will include: Treatments, scripts, shooting scripts, shooting video, shooting sequential photographs, basic audio, logging, edit decision lists, frame capture, video editing software, slideshow production, and presentation in a multimedia presentation platforms. This course gives basic video skills to the photographer who must work in video, also, for multimedia. (CSU)

JOUR 298 C Communication and Journalism Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-648 laboratory depending on units attempted. This seminar course is for able students who wish to extend their knowledge of literature, language and culture through small group discussion. Fees may be required—Payable at Registration. Pass/No Pass or Letter Grade option. (UC Credit Limitation/CSU)

JOUR 299 C Journalism Independent Study**0.5-2 Units****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: 0-108 laboratory depending on units attempted. Students enroll who wish to increase their knowledge of journalism through individual study, research or internships. Permission of the instructor is required along with a contract outlining a student's independent work and the supervision of the instructor. May be taken for credit 4 times. (UC/CSU Credit Limitation)

Kinesiology (KIN)

KIN 100 C Adapted Kinesiology Weight Training (formerly PE 100 C)**1 Unit****Advisory:** This course is designed for, but not limited to, students with disabilities, registered with Disability Support Services (DSS)

Formerly PE 100 C Term hours: 54 hours activity This course is designed to give students with various levels of physical ability the opportunity to participate in resistive exercises with weights. May be taken for credit 4 times. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 101 C Adapted Kinesiology Activity (formerly PE 101 C)**1 Unit****Advisory:** This course is designed for, but not limited to, students with disabilities, registered with Disability Support Services (DSS)

Formerly PE 101 C Term hours: 54 hours activity. This course is designed for students with various levels of physical ability. The class will emphasize modified individual and team sport activities. May be taken for credit 4 times. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 106 C Electronic Sports - Beginning**1 Unit**

Term hours: 54 laboratory. This course is designed to introduce students to electronic sports. Students will play electronic sports and develop skills playing online activity and sport games. Pass/No Pass/Letter Grade option. (CSU, AA GE)

KIN 107 C Electronic Sports - Intermediate**1 Unit****Advisory:** KIN 106 C Term hours: 54 laboratory

This course is designed for students aspiring to develop an intermediate level of electronic sports skill. Students will play electronic sports and develop skills playing online activity and sport games. Pass/No Pass/Letter Grade option. (CSU, AA GE)

KIN 108 C Electronic Sports - Advanced**1 Unit****Advisory:** KIN 107 C Term hours: 54 laboratory

This course is designed for students aspiring to develop advanced level of electronic sports skill. Students will play electronic sports and develop skills playing online activity and sport games. Pass/No Pass/Letter Grade option. (CSU, AA GE)

KIN 109 C Spirit Squad (formerly PE 179 C)**1-2 Units****Prerequisite(s):** Audition

(Formerly PE 179 C) Term hours: 108 hours activity depending on units attempted. This course is designed for the pep squad to develop skills in tumbling, stunts, dance technique, choreography, leadership skills, crowd motivation, and competition. Performance is mandatory at school athletic events and campus functions. Pass/No Pass/Letter Grade Option. (CSU, AA GE)

KIN 110 C Surfing (formerly PE 122 C)**1 Unit****Prerequisite(s):** Demonstrate ability to swim

Formerly PE 122 C Term hours: 54 laboratory. This course offers students the opportunity to learn and improve the skills of wave riding. Examination and analysis of paddling, wave selection, water safety, equipment, tides, current, and etiquette are emphasized for long boarding and short boarding. Transportation will not be furnished. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 111 C Swimming (formerly PE 134 C)**1 Unit**

Formerly PE 134 C Term hours: 54 laboratory. This course provides basic instruction and practice in the fundamental elements of swimming including beginning diving and water safety instruction. The class is designed to develop proficiency in the basic strokes needed to meet the prerequisites for the senior lifesaving and water safety instruction courses. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE)

KIN 112 C Swimming-Intermediate-Advanced**1 Unit****Prerequisite(s):** Demonstrate ability to swim

Advisory: KIN 111 C Term hours: 27-54 hours activity depending on units attempted (Formerly PE 135 C) ((Title V 55003)) This course is designed to develop knowledge and skill in competitive swimming strokes. The swimming strokes to be taught are the American crawl, backstroke, breaststroke and dolphin butterfly. The class will emphasize the development of cardiovascular aerobic conditioning. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE, CSU GE)

KIN 114 C Springboard Diving (formerly PE 136 C)**1 Unit****Prerequisite(s):** Demonstrate ability to swim

Formerly PE 136 C ((Title V 55003)) Term hours: 54 laboratory. This course is designed to teach the fundamentals of springboard diving. The beginning diver will learn diving progression for the front, back, reverse, inward and twisting dives. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 115 C Springboard Diving - Intermediate - Advanced**1 Unit****Prerequisite(s):** Demonstrate ability to swim**Advisory:** KIN 114C

Term hours: 54 laboratory. This course is designed to teach the intermediate and advanced skills of springboard diving. The experienced diver will learn advanced diving progression for the front, back, reverse, inward and twisting dives. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 116 C Swim for Fitness (formerly PE 149 C)**1 Unit****Prerequisite(s):** Demonstrate ability to swim

Formerly PE 149 C ((Title V 55003)) Term hours: 54 laboratory. This course will emphasize swimming for health and physical fitness. The class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through the use of aerobic and anaerobic conditioning. Participating adults and others seeking a fitness program may expect to improve their overall fitness level through aquatic training. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 117 C Water Aerobics (formerly PE 151 C)**1 Unit**

Formerly PE 151 C Term hours: 54 laboratory. This class is designed to provide calisthenic type exercises and routines using the resistance of the water as a means for developing cardiovascular endurance, strength, flexibility, and coordination. Students will be able to improve posture and appearance through performance and understanding of using the water as a resistance. Non-swimmers welcome. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 118 C Aqua Zumba**1 Unit**

Term hours: 54 laboratory. Aqua Zumba is designed to develop cardiovascular fitness using the resistance of the water as a means to develop endurance, strength, flexibility and coordination. This course combines some of the traditional elements of aqua fitness with the upbeat, Latin-infused dance moves and music. Pass/No Pass/Letter grade option. (UC/CSU, AA GE).

KIN 119 C Aqua Bootcamp**1 Unit**

Term hours: 54 laboratory. A cardio-intensive class with a more athletic approach to water fitness. You will experience a true boot camp-style workout with a variety of drills involving kicks, calisthenics, lunges, jumps and running. Using the properties of water, these exercises are designed to improve your strength and stamina. Pass/no pass letter grade option. (UC/CSU, AA GE).

KIN 120 C Kick-Boxing (formerly PE 163 C)**1 Unit**

Formerly PE 163 C Term hours: 54 hours laboratory. Instruction in forms of kick-boxing that stress cardiovascular endurance, strength development, and improved flexibility. The aerobic workout will include influences from several martial arts. The sparring and self defense aspects of kick-boxing will be included. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 121 C Self-Defense (formerly PE 170 C)**1 Unit**

Formerly PE 170 C Term hours: 54 laboratory. This course provides instruction in developing both physical and cognitive skills in personal safety and self-protection. Through different forms of martial arts training, students will practice both defensive and offensive moves against various forms of attacks, including weapons. Proficiency in the practical, effective, and tactical use of movement, leverage, strikes, and use of everyday objects. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 128 C Yoga-Intermediate**1 Unit****Advisory:** Students should have taken KIN 130 C or demonstrate intermediate yoga practitioners skills

Term hours: 54 laboratory. This is an intermediate course in yoga. It involves a deeper investigation and practice of yoga postures (asana), breathing (pranayama), and meditation, through the eight-limb system of Patanjali. This course will introduce students to a more thorough exploration of Yoga through its primary practicing methodology of asana, pranayama, and meditation. This process of practice will offer a deeper signification of the integration of body, mind, and spirit, as integral to the practice of yoga. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 129 C Vinyasa Yoga**1 Unit**

Term hours: 54 laboratory. In this course, students will learn the foundation of yoga asana in relation to breath, pranayama. Vinyasa translates as, nyasa, to place, and vi, in a special way. In this respect, vinyasa, as it relates to yoga asana (posture), means, to place the body in a special way. Vinyasa, as a style of yoga practice is derived from the hatha yoga lineage, and generally means, to move the body in relation to breath. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 130 C Yoga (formerly PE 102 C)**1 Unit**

Formerly PE 102 C Term hours: 54 laboratory. Yoga, as defined by Patanjali, means, "citta vrtti nirodha", the stilling of all states of citta, or roughly, the stilling of mind. In this course, we will develop an understanding of the goal of yoga, primarily through the significance of yoga asana. In this respect, yoga is a practice, and in this course we will focus on developing a yoga practice, represented through asana, that reflects the goals of yoga, and the stilling of mind. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 131 C Restorative and Gentle Yoga**1 Unit**

Term hours: 54 laboratory. This course explores the relationship between restorative and gentle yoga. We will approach the practice of restorative and gentle yoga from the perspective that, yoga, by definition, is therapeutic. As such, with focus on restorative and gentle asana (posture), as well as, pranayama (breathing), and meditation, we will learn tools for which a more restorative and gentle practice can assist with stress and anxiety management, for deeper relaxation, and potential healing. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 132 C Hatha Yoga**1 Unit**

Term Hours: 54 laboratory. Hatha Yoga is the larger lineage of yoga that derives from Patanjali's Yoga Sutras. In this course, students will learn, and investigate this lineage, and the common themes of practice that derive from this lineage. The Yoga Sutras of Patanjali is a philosophical system, which is based on the goal of "citta vrtti nirodha," the stilling of all states of citta, or roughly, the stilling of mind. We will focus primarily on the significance of yoga asana (posture), as well as, pranayama (breathing), to facilitate a practice, and experiential analysis of the yoga and Hatha yoga lineage. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 133 C Cardiovascular Conditioning (formerly PE 114 C) 1 Unit

Formerly PE 114 C Term hours: 54 laboratory. This class is designed to provide an individualized exercise program for the student interested in achieving physical fitness through a program of cardiovascular conditioning. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 134AC Walking for Fitness - Beginning (formerly KIN 134 C) 1 Unit

Formerly PE 121 C and KIN 134 C Term hours: 54 laboratory. This course will emphasize walking for health and fitness for those who are interested in instruction and practice of cardiovascular walking. This class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through aerobic and anaerobic conditioning. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 134BC Walking for Fitness - Intermediate 1 Unit

Advisory: KIN 134 AC

Term hours: 54 laboratory. This course will emphasize intermediate walking for health and fitness for those who are interested in instruction and practice of cardiovascular walking. This class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through aerobic and anaerobic conditioning. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE).

KIN 134CC Walking for Fitness - Advanced 1 Unit

Advisory: KIN 134BC

Term hours: 54 laboratory. This course will emphasize advanced walking for health and fitness for those who are interested in instruction and practice of cardiovascular walking. This class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through aerobic and anaerobic conditioning. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE).

KIN 135 C Cardio Step (formerly PE 129 C) 1 Unit

Term hours: 54 laboratory. This course provides aerobic development through coordinated stepping movements performed to music. This course will emphasize cardiovascular improvement, muscle development, and improved body composition. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 136 C Cardio Step - Intermediate (formerly Step Aerobics - Intermediate) 1 Unit

Advisory: KIN 135 C

Term hours: 54 laboratory. This course provides aerobic development through coordinated intermediate stepping movements performed to music. The class will emphasize cardiovascular improvement, muscle development, and improved body composition. Pass/No Pass/Letter Grade option. (UC Credit Limitation/CSU, AA GE)

KIN 137 C Mountaineering and Rock Climbing (formerly PE 142 C) 1 Unit

Formerly PE 142 C Term hours: 54 laboratory hours. This course is designed for those students wishing to develop beginning through advanced skills in mountaineering/rock climbing. Teaching emphasis is on preparation, knowledge of equipment, physical techniques and the mental approach to climbing. Facility use fee required, to be paid throughout the semester at the facility. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 138 C Body Sculpt (formerly PE 148 C) 1 Unit

Term hours: 54 laboratory. This course provides a whole body workout without jogging, running, jumping or other high impact type movements which might result in overstress to feet, ankles, knees, hips or the spinal column. This course is designed to prevent injury and is ideal for beginning exercisers, individual with higher body mass, injured or recuperating students, older students as well as the general student population. This class is designed for both men and women. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 139 C Cardio Blast (formerly PE 150 C) 1 Unit

Formerly PE 150 C Term hours: 54 laboratory. This course provides an aerobic development through rhythmic, high impact movements. The class activities will emphasize stretching, walking, jogging, running, and rope jumping in a dance setting to music. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 140 C Fitness Training (formerly PE 152 C) 1 Unit

Formerly PE 152 C Term hours: 54 laboratory. Circuit training has proven especially beneficial for people not interested in competitive weight training but desiring good muscle tone and cardiovascular fitness. This type of training gives maximum return in a controlled workout. Pass/No Pass/Letter Grade Option. (UC credit limitation/CSU, AA, GE).

KIN 142 C Power Training (formerly PE 156 C) 1 Unit

Formerly PE 156 C Term hours: 54 laboratory. This course is designed to provide instruction and supervision of students with individualized power training programs using free weights. It is for men and women of all ages who are interested in improving power moves using squats, dead lifts, and the bench press. Pass/No Pass/Letter Grade Option. (UC credit limitation/CSU, AA, GE).

KIN 143 C Strength Training (formerly PE 159 C) 1 Unit

Formerly PE 159 C Term hours: 54 laboratory. This class is designed to individualized instruction and supervision of students with individualized strength training programs using Life Fitness, Universal and Olympic weights. It is for men and women of all ages who are interested in muscle toning, muscle rehabilitation, and/or weight redistribution. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 144 C Boot Camp Workout - Intermediate (formerly HIIT - High Intensity Interval Training) 1 Unit

Advisory: KIN 145 C

Formerly PE 161 C and KIN 144 HIIT. Term hours: 54 laboratory. This course is designed for students to participate in a comprehensive fitness program which includes stretching, cardiovascular, and strengthening exercises with an emphasis on higher intensity, short-term intervals. The exercises help develop agility, improve coordination, and increase endurance while normalizing body weight and improving muscle tone. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 145 C Boot Camp Workout (formerly PE 168 C) 1 Unit

Formerly PE 168 C Term hours: 54 laboratory. This course will focus on individual exercises including obstacle course, calisthenics, conditioning, weight training, aerobics, yoga, and overall fitness. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 146 C Cardio Core (formerly PE 178 C) 1 Unit

Formerly PE 178 C Term hours: 54 laboratory. This course is designed for students to participate in a comprehensive fitness program which includes stretching and core strengthening exercises using stability balls, hand weights and tubing. The exercises help develop agility, improve coordination, and increase core body strength. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 147 C Body Building and Development (formerly PE 182 C) 1 Unit

Formerly PE 182 C Term hours: 54 laboratory. This course includes building and developing the body through the use of progressive resistance exercises, as well as instruction in the proper techniques of power lifting. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE)

KIN 148 C Total Body Fitness (formerly PE 187 C) 1 Unit

Formerly PE 187 C Term hours: 54 laboratory. This course emphasizes physical fitness which will be achieved through the use of resistance exercises and body building routines. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 149 C Weight Training and Lifting (formerly PE 193 C) 1 Unit

Formerly PE 193 C Term hours: 54 hours laboratory. This weight training class stresses techniques of lifting that will produce muscle tone and strength. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 150AC Trail Hiking - Beginning 1 Unit

Advisory: Students should be able to complete a 1.0 mile walk within 20 minutes

Term hours: 54 laboratory hours. Exploration of scenic trails including the coast, canyons, parks, hills, and open space areas. Trails are off-campus and student's must provide their own transportation. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE).

KIN 150BC Trail Hiking - Intermediate 1 Unit

Advisory: Students should be able to complete a 2.0 mile walk within 30 minutes

Term hours: 54 laboratory hours. Exploration of scenic trails including the coast, canyons, parks, hills, and open space areas. Trails are off-campus and students must provide their own transportation. Pass/No Pass / Letter Grade Option. (CSU/UC, AA GE).

KIN 150CC Trail Hiking - Advanced 1 Unit

Advisory: Students should be able to complete a 2.0 mile walk within 30 minutes

Term hours: 54 laboratory hours. Exploration of scenic trails including the coast, canyons, parks, hills, and open space areas. Trails are off-campus and student's must provide their own transportation. Pass/No Pass / Letter Grade Option. (CSU/UC, AA GE).

KIN 151 C Spinning-Beginning 1 Unit

Term Hours: 54 laboratory hours. Spinning is a unique, indoor, group stationary cycling program. This efficient, high-energy group exercise integrates music and cycling in a complete exercise routine. Spinning accommodates everyone's individual needs and abilities. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 152 C Spinning - Intermediate 1 Unit

Advisory: KIN 151 C

Term Hours: 54 laboratory hours. pinning is a unique, indoor, group stationary cycling program. This efficient, high-energy group exercise integrates music and cycling in a complete exercise routine and is designed for those who have prior experience. Spinning accommodates everyone's individual needs and abilities. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 153 C Spinning - Advanced 1 Unit

Advisory: KIN 152 C

Term Hours: 54 laboratory hours. Spinning is a unique, indoor, group stationary cycling program. This efficient, high-energy group exercise integrates music and cycling in a complete exercise routine and is designed for those who have at least intermediate experience. Spinning accommodates everyone's individual needs and abilities. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE).

KIN 154 C Triathlon - Beginning 1 Unit

Term hours: 54 laboratory hours. This course provides a dynamic physical fitness program which focuses on swimming, cycling and running. The process will allow the student to gain thorough body conditioning as well as knowledge and experience in the sport of triathlon. Topics will include cardio-respiratory training, strength training, and flexibility activities which are consistent to triathlon training. This course will contribute to students who are obtaining a kinesiology degree or who wish to develop more intensive physical training techniques. Participants entering this course can be at a beginning level of fitness and be comfortable in the water. Spin bikes will be provided. Pass/No Pass/Letter Grade option. (CSU/UC Credit Limitation, AA GE)

KIN 155 C Triathlon - Intermediate 1 Unit

Advisory: KIN 154 C

Term hours: 54 laboratory hours. This course provides a dynamic physical fitness program which focuses on swimming, cycling and running. The process will allow the student to gain thorough body conditioning as well as knowledge and experience in the sport of triathlon. Topics will include cardio-respiratory training, strength training, and flexibility activities which are consistent to triathlon training. This course will contribute to students who are obtaining a kinesiology degree or who wish to develop more intensive physical training techniques. Participants entering this course should be at an intermediate level of fitness and know how to swim freestyle. Spin bikes will be provided but for students wishing to progress to the road, helmets as well as safe bicycles will be beneficial. Pass/No Pass/Letter Grade option. (CSU/UC, AA GE).

KIN 156AC Fitness for the First Responder Beginning 1 Unit

Term hours: 54 Laboratory. Designed to support those students and active professionals in the emergency response disciplines. An introduction to physical aspects of first response including aerobic and anaerobic training, core, strength, and strength endurance work. Injury prevention, real world shift work considerations and basic nutrition will also be addressed. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

KIN 156BC Fitness for the First Responder Intermediate 1 Unit

Term hours: 54 Laboratory. Designed to support those students and active professionals in the emergency response disciplines. An intermediate approach to physical aspects of first response including aerobic and anaerobic training, core, strength, and strength endurance work. Injury prevention, real world shift work considerations and basic nutrition will also be addressed. Pass/No Pass/Letter Grade Option.(CSU/UC, AA GE)

KIN 156CC Fitness for the First Responder Advanced 1 Unit

Term hours: 54 Laboratory. Designed to support those students and active professionals in the emergency response disciplines. An Advanced approach to physical aspects of first response including aerobic and anaerobic training, core, strength, and strength endurance work. Injury prevention, real world shift work considerations and basic nutrition will also be addressed. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

KIN 157AC Tactical Fitness for Law Enforcement 1 Unit

Term hours: 54 Laboratory. Designed for individuals who are currently employed in law enforcement or who intend to enter the field. Course sessions will address aerobic and strength training, muscular endurance, nutrition and weight management, agility, coordination, balance and flexibility. An emphasis will be placed on injury prevention, back care, and increased on job physical performance and longevity. Pass/No Pass/Letter Grade Option. (CSU, AA GE)

KIN 158AC Tactical Fitness for Fire Fighters**1 Unit**

Term hours: 54 Laboratory. Designed for individuals who are currently employed in Fire Fighting or who intend to enter the field. Course sessions will address aerobic and strength training, muscular endurance, nutrition and weight management, agility, coordination, balance and flexibility. An emphasis will be placed on injury prevention, back care, and increased on job physical performance and longevity. Pass/No Pass/Letter Grade Option. (CSU, AA GE)

KIN 160 C Badminton - Beginning (formerly PE 105 C Badminton)**1 Unit**

Formerly PE 105 C Term hours: 54 laboratory. This is a course in the fundamental skills of badminton with emphasis on position play and strategy for singles, doubles and mixed doubles. The class will include rules, etiquette, drills, and class competition. Equipment is furnished. (UC Credit Limitation/CSU, AA GE).

KIN 161 C Badminton - Intermediate**1 Unit**

Advisory: KIN 160 C

Term hours: 54 laboratory. This is a course in intermediate skills of badminton with emphasis on position play and strategy for singles, doubles and mixed doubles. This course will include rules, etiquette, drills, and class competition. Equipment is furnished. Pass/No Pass/Letter Grade option. (UC/CSU, AA GE).

KIN 162 C Badminton - Advanced**1 Unit**

Advisory: KIN 161 C Term hours: 54 laboratory

This is a course in advanced skills of badminton with emphasis on position play and strategy for singles, doubles and mixed doubles. This course will include rules, etiquette, drills, and class competition. Equipment is furnished. Pass/No Pass/Letter Grade option. (UC/CSU, AA GE).

KIN 163 C Table Tennis (formerly PE 107 C)**1 Unit**

Term hours: 54 laboratory. This course will consist of essential strokes with emphasis on the game strategies for singles and doubles play of table tennis. Rules, etiquette and tournament format will be introduced to the class. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 164 C Bowling - Beginning (former PE 108 C)**1 Unit**

Term hours: 54 laboratory. This course teaches the fundamental skills of bowling with emphasis on form, terminology and scoring. The student will have the opportunity for class competition. The class will be conducted at an off campus bowling establishment. Required facility use to be paid throughout the semester at the facility. Pass/No Pass/Letter Grade option. (UC Credit Limitation/CSU, AA GE).

KIN 165 C Bowling - Intermediate**1 Unit**

Advisory: Student should have beginner experience in bowling or have taken KIN 164 C

Term hours: 54 laboratory. This course teaches intermediate skills of bowling with emphasis on etiquette, terminology and equipment. The student will have the opportunity for class competition. The class will be conducted at an off campus bowling establishment. Required facility use fee to be paid throughout the semester at the facility. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 166 C Bowling - Advanced**1 Unit**

Advisory: Student should have intermediate experience in bowling or have taken KIN 165 C

Term hours: 54 laboratory. This course teaches advanced skills of bowling with emphasis on form, rules, and etiquette. The student will have the opportunity for class competition. The class will be conducted at an off campus bowling establishment. Required facility use fee to be paid throughout the semester at the facility. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 168 C Tennis - Beginning (formerly PE 139 C)**1 Unit**

Term hours: 54 laboratory. This course will place emphasis on tennis fundamentals including forehand, backhand, and the serve. The course also includes rules, court strategy, and etiquette of singles and doubles play. Tournaments will be conducted during class sessions. Students must provide their own equipment. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 169 C Tennis - Intermediate (formerly PE 141 C)**1 Unit**

Advisory: Student should have beginner experience in tennis or have taken KIN 168 C

Term hours: 54 hours laboratory. This course is designed for students desiring instruction from intermediate to advanced tennis and provides the opportunity to put techniques into practice through placement in the various levels of tennis ability. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 170 C Tennis - Advanced**1 Unit**

Advisory: Student should have intermediate experience in tennis or have taken KIN 169 C

Term hours: 54 laboratory. This course is designed to help the advanced tennis student improve specific skills and strategies in competitive game situations. Pass/No Pass/Letter Grade option. (CSU/UC Credit Limitation, AA GE, CSU GE)

KIN 171 C Golf - Beginning (formerly PE 115 C)**1 Unit**

Formerly PE 115 C. Term hours: 54 laboratory. This course emphasizes the basic fundamentals of golf, including rules, etiquette and terminology. Golfing activity will be held at an on-campus location for the first half of the class. The second half of the class will be held at an off-campus golf facility. Required facility use fee to be paid throughout the semester at the facility. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 172 C Golf - Intermediate (formerly PE 157 C)**1 Unit**

Advisory: Student should have beginner experience in golf or have taken KIN 171 C

Term hours: 54 laboratory. This course will emphasize advanced golf techniques and playing strategies. The class will provide advanced and low handicap golfers the opportunity to enhance their skills and techniques in execution of golf scoring strategies. Required facility use fee to be paid throughout the semester at the facility. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE)

KIN 173 C Golf - Advanced**1 Unit**

Advisory: Student should have intermediate experience in golf or have taken KIN 172 C

Term hours: 54 laboratory. This course provides training for those seeking improvement in their golf technique and knowledge. Emphasis is on developing ball-striking skills, and on scorecard evaluation, strategy, course management, and proper application of the rules of golf. Students are responsible for balls, golf clubs, and range fees. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 174 C Pickleball - Beginning**1 Unit**

Term Hours: 54 laboratory. This course covers the development of beginning-level playing, competitive skills in the paddle sport of pickleball, and instruction in the beginning skills, techniques, strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Because beginners can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels and athletic abilities. Pass/No Pass/Letter Grade option. (UC/Credit Limitation/CSU, AA GE).

KIN 175 C Pickleball - Intermediate**1 Unit****Advisory:** KIN 174 C Term hours: 54 laboratory

This course covers the development of intermediate-level playing and competitive skills in the paddle sport of pickleball. Instruction in the intermediate skills, techniques, strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn and fast paced. This sport is suitable for individuals of all ages, fitness levels and athletic abilities. Pass/No Pass/Letter Grade option. (UC Credit Limitation/CSU, AA GE).

KIN 176 C Pickleball - Advanced**1 Unit****Advisory:** KIN 175 C Term hours: 54 laboratory

This course covers the development of advanced-level playing and competitive skills in the paddle sport of pickleball. Instruction in the advanced skills, techniques, strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Pickleball is suitable for individuals of all ages, fitness levels and athletic abilities. Pass/No Pass/Letter Grade option. (UC Credit Limitation/CSU, AA GE).

KIN 177AC Beginning Fitness Training**1-2 Units**

Term hours: 54-108 Laboratory. This course is designed to give beginning students an opportunity to develop an individualized fitness program, which meets their specific fitness goals. The class meets in our fitness center, and utilizes the various cardiovascular, weight training and free weight equipment. All students undergo an initial screening and evaluation process before their program is developed. (CSU/UC)

KIN 177BC Intermediate Fitness Training**1-2 Units**

Term hours: 54-108 Laboratory. This course is designed to give students an opportunity to develop an intermediate fitness program, which meets their specific fitness goals. The class meets in our fitness center, and utilizes the various cardiovascular, weight training and free weight equipment. All students undergo an initial screening and evaluation process before their program is developed. (CSU/UC)

KIN 180 C Futsal - Beginning (formerly PE 109 C)**1 Unit**

Term hours: 54 laboratory. This course will provide instruction and practice in the techniques of futsal (indoor soccer). This course will develop skills, provide knowledge of the rules and teach students to analyze techniques, solve tactical problems and improve physical fitness. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 181 C Futsal - Intermediate**1 Unit****Advisory:** KIN 180 C Term Hours: 54 laboratory

This course is designed to strengthen fundamental soccer skills. Emphasis is on scrimmages and applying offensive and defensive group strategies in competitive play. The course also introduces tactical strategies for each player: forwards, midfielders, fullbacks, and goalkeepers. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 182 C Futsal - Advanced**1 Unit****Advisory:** KIN 181 C

Term Hours: 54 laboratory. This course is designed for players who have mastered the fundamental skills, strategies, and rules of soccer and seek to develop advanced-level physical and mental skills for competitive play. In addition to refining offensive and defensive skills, students analyze game tactics and evaluate strategies for strengthening personal and team performance. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 183 C Volleyball - Beginning (formerly PE 144 C)**1 Unit**

Term hours: 54 laboratory. This course will include teaching of the basic skills of volleyball with emphasis on strategy and rules. The students will be offered the opportunity for class and interclass competition. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 184 C Volleyball - Intermediate (formerly PE 145 C)**1 Unit****Prerequisite(s):** Demonstrate ability of basic volleyball skills**Advisory:** KIN 183C Term hours: 54 laboratory

Formerly PE 145 C This course is designed to provide intermediate skill development and strategies of volleyball. This class will provide intermediate players an opportunity to practice competitive techniques in games situations. Pass/No Pass/Letter Grade Option.(UC/Credit Limitation/CSU, AA GE).

KIN 185 C Volleyball - Advanced**1 Unit****Advisory:** KIN 184 C

Term hours: 54 laboratory. This course presents advanced volleyball techniques and tactics for team and tournament play. The course offers advanced skills, court positioning, defensive techniques, and team strategy, both offensive and defensive. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 186 C Beach Volleyball - Beginning (formerly PE 126 C)**1 Unit**

Formerly PE 126 C. Term hours: 54 laboratory. This course provides basic instruction and strategies in beach volleyball. Designed to develop basic skills, knowledge of rules, team strategies and desire for future participation during leisure times. Course may be taken one time for credit. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 187 C Beach Volleyball - Intermediate (formerly PE 128 C)**1 Unit****Advisory:** Student should have beginning beach volleyball skill or have taken KIN 186 C

Formerly PE 128 C Term hours: 54 laboratory. This course provides instruction, strategies and practice of skills in beach volleyball. The course is designed to develop intermediate skills, knowledge of rules, team strategies and desire for future participation during leisure times. The course emphasizes advanced offensive and defensive theories in competitive match situations. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 188 C Beach Volleyball - Advanced**1 Unit****Advisory:** Student should have intermediate beach volleyball skill or have taken KIN 187 C

Term hours: 54 laboratory. This course provides instruction, strategies and practice of skills in beach volleyball. The course is designed to develop advanced skills, knowledge of rules, team strategies and desire for future participation during leisure times. The course emphasizes advanced offensive and defensive theories in competitive match situations. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 189 C Basketball - Beginning (formerly PE 181 C)**1 Unit**

Term hours: 54 laboratory. This course will include instruction in the fundamental skills of basketball with an emphasis on strategy and team play. The class will include rules, drills, and team competition. Equipment is furnished. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 190 C Basketball - Intermediate (formerly PE 160 C)**1 Unit****Advisory:** Student should have beginning basketball skill or have taken KIN 189 C

Term hours: 54 laboratory. This activity course stresses development of the fundamental skills of basketball. Game strategies including various offenses and defenses will be analyzed and applied through team competition. Pass/No Pass/Letter Grade option (UC Credit Limitation/CSU, AA GE).

KIN 191 C Basketball - Advanced**1 Unit**

Advisory: Student should have intermediate basketball skill or have taken KIN 190 C

Term hours: 54 laboratory. This course is designed for players who have mastered the fundamental skills, strategies, and rules of basketball and seek to develop advanced-level physical and mental skills for competitive play. In addition to refining offensive and defensive skills, students analyze game tactics and evaluate strategies for strengthening personal and team performance. Pass/No Pass/Letter Grade option (CSU/UC Credit Limitation, AA GE).

KIN 192 C Water Polo (formerly PE 146 C)**1 Unit**

Prerequisite(s): Demonstrate ability to swim

Formerly PE 146 C ((Title V 55003) Term hours: 54 laboratory. Basic instruction will be given in the fundamental skills of water polo. Instruction will emphasize passing, shooting, dribbling, conditioning, game strategy, and terminology. The course will include aquatic drills, scrimmages, and appropriate learning activities for the intermediate and advanced water polo player. Pass/No Pass/Letter Grade Option.(UC/Credit Limitation/CSU, AA GE).

KIN 193AC Soccer - Beginning (formerly KIN 193 C)**1 Unit**

Term hours: 54 laboratory. This class will provide instruction and practice in the techniques of soccer. Students will develop skills, knowledge of rules, analysis of techniques and game strategies. Pass/No Pass or Letter Grade option. (CSU/UC Credit Limitation, AA GE).

KIN 193BC Soccer - Intermediate**1 Unit**

Advisory: KIN 193AC

Term hours: 54 laboratory. This course will provide intermediate instruction and practice in the techniques of soccer. Students will develop skills, knowledge of rules, analysis of techniques and game strategies. Pass/No Pass/Letter Grade option. (UC/CSU, AA GE).

KIN 193CC Soccer - Advanced**1 Unit**

Advisory: KIN 193BC

Term hours: 54 laboratory. This course will provide advanced instruction and practice in the techniques of soccer. Students will develop skills, knowledge of rules, analysis of techniques and game strategies. Pass/No Pass/Letter Grade option. (UC/CSU, AA GE).

KIN 194 C Softball (formerly PE 172 C)**1 Unit**

Formerly PE 172 C Term hours: 54 laboratory. The course will emphasize basic skills of women's softball including techniques, strategies of offense and defense, rules, and terminology. Pass/No Pass/Letter Grade Option. (UC/Credit Limitation/CSU, AA GE)

KIN 195AC Baseball - Beginning (formerly KIN 195 C)**1 Unit**

Term hours: 54 laboratory. This class includes instruction in the fundamental skills of baseball with emphasis on techniques, game strategy, and the correct methods to play the game. The course will include drills and class competition. Pass/No Pass or Letter Grade Option. (UC/ Credit Limitation/CSU, AA GE).

KIN 195BC Baseball - Intermediate**1 Unit**

Advisory KIN 195AC. Term hours: 54 laboratory. This course includes instruction in the intermediate skills of baseball with emphasis on intermediately skilled techniques, game strategy, and the correct methods to play the game. The course will include drills and class competition for intermediately skilled players. (UC/CSU, AA GE).

KIN 195CC Baseball - Advanced**1 Unit**

Advisory KIN 195BC. Term hours:54 laboratory. This course includes instruction in the skills of baseball with emphasis on advanced techniques, game strategy, and the correct methods to play the game. The course will include drills and class competition for players with advanced skills. Pass/ No Pass/Letter Grade Option. (UC/CSU, AA GE).

KIN 197 C Flag Football (formerly PE 197 C)**1 Unit**

Term hours: 54 laboratory. This course will include the basic fundamentals of flag and touch football. The class will emphasize rules, safety procedures and team play. Pass/No Pass/Letter Grade option. (UC Credit Limitation/CSU, AA GE).

KIN 198 C Athletic Weight Training (formerly PE 104 C)**1-3 Units**

Prerequisite(s): KIN 202 C or KIN 203 C or KIN 204 C or KIN 205 C or KIN 206 C or KIN 207 C or KIN 210 C or KIN 211 C or KIN 212 C or KIN 213 C or KIN 214 C or KIN 215 C or KIN 217 C or KIN 218 C or KIN 219 C or demonstrated advanced athletic skills

Term hours: 54-162 laboratory. This course is designed with athletes in mind, but not limited to them, to enable them to work out with a prescribed individual weight program at least three days a week. It will involve specific resistance exercises to develop parts of the body used in various types of sports activities. It will also add to the safety of the athletes by helping to prevent injuries. Course may be taken 4 times for credit. Pass/No Pass/Letter Grade option. (CSU/UC Credit Limitation, AA GE).

KIN 199 C Conditioning for Athletes (formerly PE 162 C)**1-3 Units**

Prerequisite(s): KIN 202 C or KIN 203 C or KIN 204 C or KIN 205 C or KIN 206 C or KIN 207 C or KIN 210 C or KIN 211 C or KIN 212 C or KIN 213 C or KIN 214 C or KIN 215 C or KIN 217 C or KIN 218 C or KIN 219 C or demonstrated advanced athletic skills

Term hours: 54-162 hours activity depending on units attempted. This course is designed for individualized instruction and practice in the areas of weight training, weight lifting, anaerobic and aerobic fitness, and flexibility for competition in various intercollegiate sports. May be taken for credit 4 times. Pass/No Pass/Letter Grade option. (UC Credit Limitation/CSU, AA GE).

KIN 200 C Athletic Skill Development**1-3 Units**

Prerequisite(s): KIN 202 C or KIN 203 C or KIN 204 C or KIN 205 C or KIN 206 C or KIN 207 C or KIN 210 C or KIN 211 C or KIN 212 C or KIN 213 C or KIN 214 C or KIN 215 C or KIN 217 C or KIN 218 C or KIN 219 C or demonstrated advanced athletic skills

Term hours: 54-162 laboratory. This course is designed with athletes in mind, but not limited to them, to enable them to work out with a prescribed individual weight program at least three days a week. It will involve specific resistance exercises to develop parts of the body used in various types of sports activities. It will also add to the safety of the athletes by helping to prevent injuries. Course may be taken four times for credit. Pass/No Pass or Letter Grade option. (UC/CSU, AA GE).

KIN 201 C Athletic Fitness Development**1-3 Units**

Prerequisite(s): KIN 202 C or KIN 203 C or KIN 204 C or KIN 205 C or KIN 206 C or KIN 207 C or KIN 210 C or KIN 211 C or KIN 212 C or KIN 213 C or KIN 214 C or KIN 215 C or KIN 217 C or KIN 218 C or KIN 219 C or demonstrated advanced athletic skills

Term hours: 54-162 laboratory. This course is designed with athletes in mind, but not limited to them, to enable them to work out with a prescribed individual weight program at least three days a week. It will involve specific resistance exercises to develop parts of the body used in various types of sports activities. It will also add to the safety of the athletes by helping to prevent injuries. Course may be taken four times for credit. Pass/No Pass or Letter Grade option. (UC/CSU, AA GE).

KIN 202 C Intercollegiate Baseball (formerly PE 202 C) 3 Units

Prerequisite(s): Must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Formerly PE 202 C Term hours: 175 activity. This course is designed for the advanced baseball player wanting to participate on the intercollegiate baseball team. In order to participate in intercollegiate athletics, students must meet the CCAA eligibility requirements and pass an athletic medical screening. Daily practice is required. Course may be taken four times for credit. Pass/No Pass/Letter Grade option. (UC Credit Limitation/CSU, AA GE).

KIN 203 C Intercollegiate Basketball - Men (formerly PE 203 C) 1.5-3 Units

Prerequisite(s): Must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 87.5-175 laboratory. This course is designed for the advanced basketball player wanting to participate on the intercollegiate basketball team. In order to participate in intercollegiate athletics, students must meet the CCAA eligibility requirements and pass an athletic medical screening. Daily practice is required. Course may be taken four times for credit. (UC Credit Limitation/CSU, AA GE).

KIN 204 C Intercollegiate Basketball - Women (formerly PE 204 C) 1.5-3 Units

Prerequisite(s): Must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 87.5-175 laboratory. In order to participate in this course and intercollegiate athletics, all students must enroll in one of the above classes. The most qualified student athletes will be selected to represent the college during the season. These classes satisfy the physical education graduation requirement. These sports will stress fundamentals, team/individual play, and mental and physical conditioning. Daily practice or a minimum of ten hours per week is required. Course may be taken four times for credit. (UC Credit Limitation/CSU, AA GE).

KIN 205 C Intercollegiate Beach Volleyball - Women (formerly PE 217 C) 3 Units

Prerequisite(s): Pass team tryouts and must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 laboratory. In order to participate in this course and in intercollegiate athletics, all students must enroll in one of the intercollegiate classes. The most qualified student athletes will be selected to represent the college during the season. This class satisfies the physical education graduation requirement. This sport will stress fundamentals, team/individual play, and mental and physical conditioning. Daily practice of a minimum of ten hours per week is required. Course may be taken four times for credit. (UC Credit Limitation/CSU, AA GE).

KIN 206 C Intercollegiate Golf - Men (formerly PE 208 C) 3 Units

Prerequisite(s): Must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 activity. This course is designed for the advanced golfer wanting to participate on the intercollegiate golf team. In order to participate in intercollegiate athletics, students must be able to meet the CCAA eligibility requirements and pass an athletic medical screening. Daily practice is required. May be taken for credit 4 times. (CSU/UC Credit Limitation, AA GE)

KIN 207 C Intercollegiate Golf - Women 3 Units

Prerequisite(s): Students must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 activity. This course is designed for the advanced golfer wanting to participate on the intercollegiate golf team. In order to participate in intercollegiate athletics, students must be able to meet the CCAA eligibility requirements and pass an athletic medical screening. Daily practice is required. This course may be taken four times for credit. (CSU/UC Credit Limitation, AA GE)

KIN 210 C Intercollegiate Soccer - Men (formerly PE 209 C) 3 Units

Prerequisite(s): Students must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 activity. This course is designed for the advanced soccer player wanting to participate on the intercollegiate soccer team. In order to participate in intercollegiate athletics, students must meet the CCAA eligibility requirements and pass an athletic medical screening. Daily practice is required. This course may be taken four times for credit. (CSU/UC Credit Limitation, AA GE)

KIN 211 C Intercollegiate Soccer - Women 3 Units

Prerequisite(s): Students must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 activity. This course is designed for the advanced soccer player wanting to participate on the intercollegiate soccer team. In order to participate in intercollegiate athletics, students must meet the CCAA eligibility requirements and pass an athletic medical screening. Daily practice is required. This course may be taken four times for credit. (CSU/UC Credit Limitation, AA GE)

KIN 212 C Intercollegiate Softball - Women (formerly PE 210 C) 3 Units

Prerequisite(s): Students must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 activity. In order to participate in this course and in intercollegiate athletics, all students must enroll in one of the above classes. The most qualified student athletes will be selected to represent the college during the season. These classes satisfy the physical education graduation requirement. These sports will stress fundamentals, team/individual play, and mental and physical conditioning. Daily practice or a minimum of ten hours per week is required. Course may be taken four times for credit. (CSU/UC Credit Limitation, AA GE)

KIN 213 C Intercollegiate Swimming - Men (formerly PE 211 C) 3 Units

Prerequisite(s): Students must meet the California Community College Athletics Association (CCCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 activity. In order to participate in this course and intercollegiate athletics, all students must enroll in one of the above classes. The most qualified student athletes will be selected to represent the college during the season. These classes satisfy the physical education graduation requirement. These sports will stress fundamentals, team/individual play, and mental and physical conditioning. Daily practice or a minimum of ten hours per week is required. Course may be taken four times for credit. (CSU/UC Credit Limitation, AA GE)

KIN 214 C Intercollegiate Swimming - Women (formerly PE 212 C) 3 Units

Prerequisite(s): Students must meet the California Community College Athletics Association (CCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 activity. In order to participate in this course and in intercollegiate athletics, all students must enroll in one of the above classes. The most qualified student athletes will be selected to represent the college during the season. These classes satisfy the physical education graduation requirement. These sports will stress fundamentals, team/individual play, and mental and physical conditioning. Daily practice or a minimum of ten hours per week is required. Course may be taken four times for credit. (CSU/UC Credit Limitation, AA GE)

KIN 215 C Intercollegiate Tennis (formerly PE 214 C) 3 Units

Prerequisite(s): Must meet the California Community College Athletics Association (CCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 laboratory. This course is designed for the advanced tennis player wanting to participate on the intercollegiate tennis team. In order to participate in intercollegiate athletics, students must meet the CCCAA eligibility requirements and pass an athletic medical screening. Daily practice is required. May be taken for credit 4 times. (UC Credit Limitation/CSU, AA GE).

KIN 217 C Intercollegiate Volleyball - Women (formerly PE 218 C) 3 Units

Prerequisite(s): Must meet the California Community College Athletics Association (CCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 laboratory. In order to participate in this course and in intercollegiate athletics, all students must enroll in one of the above classes. The most qualified student athletes will be selected to represent the college during the season. These classes satisfy the physical education graduation requirement. These sports will stress fundamentals, team/individual play, and mental and physical conditioning. Daily practice or a minimum of ten hours per week is required. May be taken for credit 4 times. (UC Credit Limitation/CSU, AA GE).

KIN 218 C Intercollegiate Water Polo - Women (formerly PE 219 C) 3 Units

Prerequisite(s): Must meet the California Community College Athletics Association (CCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Formerly PE 219 C Term hours: 175 laboratory. In order to participate in intercollegiate athletics, all students must enroll in one of the above classes. The most qualified student athletes will be selected to represent the college during the season. These classes satisfy the physical education graduation requirement. These sports will stress fundamentals, team/individual play, and mental and physical conditioning. Daily practice or a minimum of ten hours per week is required. May be taken for credit 4 times. (UC Credit Limitation/CSU, AA GE).

KIN 219 C Intercollegiate Water Polo - Men 3 Units

Prerequisite(s): Must meet the California Community College Athletics Association (CCCAA) eligibility requirements and pass a physical examination prior to intercollegiate competition

Term hours: 175 laboratory. In this course, for students to participate in intercollegiate athletics, all students must enroll in one of the above courses. The most qualified student athletes will be selected to represent the college during the season. These courses satisfy the Physical Education requirement. This course will stress fundamentals, team/individual play, and mental and physical conditioning. Daily practice or a minimum of ten hours per week is required. May be taken for credit 4 times. (CSU/UC Credit Limitation, AA GE).

KIN 230 C Introduction to Kinesiology (formerly PE 252 C) 3 Units

Term hours: 54 lecture. This course covers the introduction and orientation to the field of Kinesiology as a profession and as an academic discipline. Explores sub-disciplines, opportunities in the field, philosophy, and scientific foundation. (UC/CSU, C-ID: KIN 100)

KIN 235 C First Aid, CPR and Emergencies (formerly PE 235 C) 3 Units

Formerly PE 235 C Term hours: 54 lecture. This course includes the theory and implementation of the skills necessary in response to an emergency. Successful completion of the course will qualify the student for the American Red Cross "Responding to Emergencies" First Aid Certificate, Adult, Child and Infant CPR Certificates, and Automated External Defibrillation Certificate. Costs may include materials for the construction of a First Aid Kit. \$27 Red Cross service fee payable at registration. (UC/CSU, C-ID: KIN 101).

KIN 236 C Athletic Injuries-Prevention and Care (formerly PE 236 C) 3 Units

Term hours: 54 lecture. This course concentrates on the prevention, evaluation, treatment and rehabilitation of athletic injuries. Methods of taping and the use of training room equipment will also be covered. (UC/CSU)

KIN 240 C Sports Officiating (formerly PE 240 C) 3 Units

Term hours: 36 lecture and 54 hours activity. This course provides practical experience with an emphasis on knowledge and interpretation of rules of sporting events. The rules and mechanics of officiating basketball, baseball, softball, volleyball and other sports will be covered. This course can be used for recreation majors, physical education majors, and people involved in community athletic organizations. The course will also explore avenues of employment related to sports officiating. (CSU/UC)

KIN 241 C Theory of Coaching Basketball (formerly PE 266 C) 3 Units

Term hours: 36 hours lecture and 54 laboratory. This course is designed to study the various aspects of coaching basketball. The emphasis of the class will be on the theory of how to organize a basketball program activity from start to finish of a season. The development of individual/team skills both offensive and defensive and scouting and/or coaching will be examined. (UC Credit Limitation/CSU)

KIN 242 C Theory of Coaching Baseball (formerly PE 267 C) 3 Units

Term hours: 36 lecture and 54 hours activity. This course includes the study of various aspects of coaching baseball. The emphasis of the class will be on the theory of how to organize a baseball program, develop individual skills, and coach offensive and defensive team work. The lab consists of scouting and coaching baseball. (UC Credit Limitation/CSU)

KIN 243 C Theory of Coaching Aquatics 3 Units

Term Hours: 36 hours lecture and 54 laboratory. This course is designed to study various aspects of coaching aquatics. The emphasis of the class will be on the theory of how to organize a water polo, swim, and diving activity from start to finish of a season. The development of individual/team skills, scouting and or coaching will be examined. (CSU/UC)

KIN 244 C Lifetime Fitness and Wellness (formerly Human Performance) 3 Units

Term hours: 54 lecture. This course provides guidelines for lifetime fitness using a combined approach of exercise physiology, nutrition, and biomechanics. Students will develop a working knowledge of physiological adaptations to aerobic and anaerobic exercise, of nutritional programs to achieve and maintain ideal body weight, and of desirable lifestyle management behaviors to improve wellness and health. (CSU/UC, AA GE)

KIN 245 C Theory of Coaching Soccer**3 Units**

Term Hours: 36 hours lecture and 54 laboratory. This course is designed to study various aspects of coaching soccer. The emphasis of the class will be on the theory of how to organize a soccer program activity from start to finish of a season. The development of individual/team skills both offensive and defensive and scouting and/or coaching will be examined. (CSU/UC)

KIN 246 C Sports in Film**3 Units**

Term hours: 54 Lecture. This course examines sports related films and their contributions made by members representing various gender, ethnic and socio-economic backgrounds. (CSU/UC, AA GE)

KIN 247 C Sports Management (formerly PE 247 C)**3 Units**

Formerly PE 247 C Term hours: 54 lecture hours. This course consists of how to organize, manage, plan, staff, direct, and control a sports program. The course also includes such areas as budget, facilities, scheduling, officials, transportation, public relations, parent and booster clubs, purchase and care of athletic equipment, fund raising, and marketing. (CSU)

KIN 248 C Psychology of Sport**3 Units**

Term hours: 54 lecture. This course consists of the psychological study of athletes on all levels of competition. The course includes such areas as competition, understanding coaches, goal setting, motivation, youth sports, anxiety and stress, relaxation and sport imagery, relationships, and drug abuse in sports. (UC/CSU, AA GE, CalGETC)

KIN 249 C Sport and United States Society (formerly PE 250 C)**3 Units**

Term hours: 54 lecture. This course examines sport in the United States society and how various ethnic and under-represented groups have influenced sport participation at the local, state, and national levels. Influences of other cultures outside of the United States will be reviewed and analyzed. Media influences on the perception of sport in society will be examined. (CSU/UC, AA GE, CalGETC, SOC JUST)

KIN 255 C Lifeguarding (formerly PE 237 C)**1 Unit**

Prerequisite(s): A minimum of 15 years of age, the ability to swim continuously 500 yards and complete a 7 to 10 feet surface dive

Term hours: 18 lecture and 18 laboratory. This course is designed to develop and perfect the basic swimming strokes needed to successfully execute the various lifesaving skills. Upon completion of the class a student who successfully passes the written and practical exams will be qualified to be certified for an American Red Cross Lifeguard Training, First Aid, and CPR for the Professional Rescuer. \$35 materials fee payable at registration (CSU/UC)

KIN 256 C Water Safety Instruction (formerly PE 238 C)**2 Units**

Prerequisite(s): 16 years of age minimum, American Red Cross pre-course written and skills tests

Advisory: Competency in swimming, diving, and water safety skills

Term hours: 18 lecture and 54 laboratory. This American Red Cross course will prepare instructor candidates to teach a variety of American Red Cross swimming and water safety courses to people of all ages. Upon satisfactory completion, the students will receive an American Red Cross Water Safety Instructor certificate. This class does not meet the requirements for P.E. activity classes. \$52 materials fee payable at registration. (CSU/UC Credit Limitation)

KIN 270 C Nutrition Science and Application**3 Units**

Term hours: 54 lecture. This course focuses on nutrition science using biological basis. It includes study of the human diet in the context of disease prevention and enhancement of health. Students will critically evaluate current controversies and global nutrition-related issues. (CSU/UC, AA GE, CSU GE, C-ID: NUTR 110)

KIN 270HC Honors Nutrition: Science and Application**3 Units**

Term hours: 54 lecture. This Honors-enhanced course focuses on nutrition science using biological basis. It includes study of the human diet in the context of disease prevention and enhancement of health. Students will critically evaluate current controversies and global nutrition-related issues. Duplicate credit not granted for KIN 270 C. (CSU/UC, AA GE, CSU GE, C-ID: NUTR 110)

KIN 271 C Movement Anatomy**3 Units**

Term hours: 54 lecture. This course discusses movement as it relates to exercise and sports. The course examines the composition, structure, function and movements of bones and joints; the structure and actions of skeletal muscle; and the practical application of kinesiological principles in developing structurally sound exercise program. (CSU/UC Credit Limitation)

KIN 272 C Strength and Conditioning**3 Units**

Term hours: 54 lecture. This course provides a thorough review of the structure, action and performance of skeletal muscle for those intending to teach strength training. The course studies anatomy and physiology; muscular strength and endurance; flexibility; training sequences; available equipment; and safety factors, including contraindications. This course is part of Fitness Specialist Certification. (CSU/UC Credit Limitation)

KIN 273 C Exercise Physiology**3 Units**

Term hours: 54 lecture. This course examines how the body functions under conditions of exercise stress. Students will study the practical implications of muscle function, cardiorespiratory and hormonal function; metabolism; body composition, training techniques; and the influence of the environment on exercise. (CSU/UC Credit Limitation)

KIN 274 C Exercise Testing and Prescription**3 Units**

Term hours: 36 lecture and 54 laboratory. This course, a part of the Fitness Specialist Certificate Program, is a survey of health-related assessment tests and exercise prescription. Study of the application of exercise guidelines for apparently healthy adults based upon the standards of the American Heart Association and the American College of Sports Medicine. (CSU)

KIN 283 C Women's Health**3 Units**

Term Hours: 54 lecture. This course investigates a variety of topics that concern women's health. These include the effect of lifestyle on health; the role of exercise and nutrition in promoting wellness; risk factors for cardiovascular disease, chronic diseases, and cancer; social influences and work trends that affect women; abusive behaviors, sexual harassment, and substance abuse; sexual and reproductive health; and the aging process. Students analyze theoretical and practical information to make healthy lifestyle choices. (CSU/UC Credit Limitation, AA GE, CSU GE)

KIN 289 C Civic Engagement in Public Health**3 Units**

Term hours: 36 lecture and 60 laboratory. This course focuses on community as a unit of identity, community, well being, and social justice perspectives and initiatives to promote community health. This course addresses community change and improvements in community well being, with a focus on health equity research for action using principles and practice in the planning, facilitation and evaluation of public health education and trainings. This course covers basic theories and participatory training methods with a focus on meeting the needs of diverse communities and adult learners. Students complete 60 hours of internship in the area of public health engagement. (CSU, AA GE)

KIN 290 C Philosophy and Consciousness of Yoga**3 Units**

Term hours: 54 lecture. This course is an introduction to the philosophy of yoga. With a critical and historical overview and analysis of the Upanishads and the Bhagavad Gita, further, students will critically analyze the Yoga Sutras of Patanjali. This lineage of yoga will be approached through the methodology of practice set out by Patanjali that integrates an eight-limbed system of practice. (CSU/UC, AA GE)

KIN 291 C Yoga and the Physical Body**3 Units**

Term hours: 36 lecture and 54 laboratory. This course is an introduction to anatomy and physiology of yoga, critically observed through the practical application of asana (postures). We will look at asana through the principles of effort and ease: what are the key musculoskeletal areas in use during asana, and what is implied by effort and ease as a synthesis for exploring and returning to homeostasis in the body. (UC/CSU, AA GE)

KIN 292 C Yoga and the Subtle Body**3 Units**

Term hours: 36 lecture and 54 laboratory. The subtle body refers to the energy systems of the body. In this course, we will look at what energy (prana) is, and how it is stored and is moved throughout the body as a form of information. We will consider principles such as: prana, nadis, chakras, as well as the koshas; further, we will approach the energy system as foundational for health, and as such, will look at foundational Ayurvedic principles. (UC/CSU, AA GE)

KIN 293 C Contemporary Yoga Studies**3 Units**

Previously KIN 293 C Yoga Teaching Methodology and Ethics. Term hours: 36 lecture and 72 laboratory. With consideration to the history, philosophy, and psychology of yoga, students will critically assess the contemporary significance of yoga as a therapeutic, meditative, and mind-body intervention for health and wellbeing. (CSU, AA GE)

KIN 294 C Ayurveda and Lifestyle Medicine**3 Units**

Term hours: 54 lecture. Ayurveda is a system of medicine that emphasizes the relation and connection of body, mind, and spirit, striving to maintain the innate harmony and vitality. A key component of Ayurveda is lifestyle medicine, implying the therapeutics of lifestyle intervention, using biochemical and physiological functional principles as a guide. Pass/No pass/Letter grade option. (CSU/UC, CSU, AA GE)

KIN 295 C Kinesiology - Internship Seminar**3 Units**

Term hours: 36 lecture and 54 laboratory. This course is a seminar for analysis of field experiences, including appropriate theory, skills and techniques, in addition to supervised experience in an approved fieldwork location agency. Internship must be specific to the discipline of kinesiology. Minimum of 60 hours per semester. (CSU, AA GE)

KIN 296 C Yoga Therapy**3 Units**

Term hours: 54 lecture. Yoga Therapy is an approach to healing and health that combines Yoga, a psychology of mind, and Ayurveda, a science of life, which together, facilitate an interventional model directed toward the goal of self-realization and health as a state of wholeness. Pass/No Pass/Letter Grade Option. (CSU/UC, AA GE)

KIN 299 C Kinesiology - Independent Study (formerly PE 299C)**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract
Formerly: PE 299 C Term hours: 27-108 laboratory. This course is designed for students who wish to gain experience in teaching physical education classes or to increase knowledge and experience in applied areas of Kinesiology. Students must obtain permission from instructor of subject area they will be working with and will be under direct supervision of that instructor. This course does not meet requirements of physical education activity classes. (CSU),

Library Technology (LIB)

LIB 100 C Introduction to Research**1 Unit**

Term Hours: 18 lecture. This class is designed to introduce students to research and the role of the library in the research process. Students learn to locate, retrieve, analyze, evaluate, and cite appropriate sources on a given subject. The topics covered include developing research strategies, using research tools, and critical evaluation of sources. Pass/No Pass/Letter Grade Option. (UC/CSU)

Linguistics (LING)

Division: Language Arts**LING 101 C Introduction to Language****3 Units**

Term hours: 54 lecture. This course introduces students to the scientific study of language by providing insight into the structure of language, introducing methods of linguistic analysis, and overviewing the sub-fields of linguistics studies. This includes surveys of the sounds, structure, function, and development of language, the differences among languages as well as linguistic universals, and the study of language in connection with its cognitive, social, and cultural function. Recommended for students interested in majoring in foreign language, English, Linguistics, or future bi-lingual teachers, but open to all students. Pass/No Pass/Letter Grade Option. (UC/CSU, CalGETC, AA GE)

Mathematics (MATH)

MATH N01 C Supervised Tutoring - Math**0 Hours**

NON-CREDIT COURSE Term hours: 4-48 laboratory. This course provides individual tutoring based on each student's needs in mathematics. Students wishing to use the Math Learning Center must enroll in this course.

MATH 009 C Skills for Math for Prospective Elementary School Teachers**2 Units**

Prerequisite(s): Appropriate placement

Corequisite(s): MATH 110PC Term hours: 36 lecture

This support course covers the skills and concepts needed to be successful in MATH 110PC. Topics include operations with integers, multiplying polynomials, factoring polynomials, solving linear equations, graphing linear equations, functions, probability, data analysis, and geometric concepts. Students enrolling in a section of MATH 009 C must also enroll in the specific MATH 110PC course it is paired with during the same semester. Pass/No Pass only.

MATH 011 C Skills for Finite Math**2 Units**

Prerequisite(s): Appropriate placement

Corequisite(s): Concurrent enrollment in MATH 115PC

Term Hours: 36 lecture. This support course covers the skills and concepts needed to be successful in MATH 115PC. Topics include multiplying polynomials, factoring polynomials, solving linear equations, graphing linear equations, functions, and graphing inequalities. Students enrolling in a section of MATH 011 C must also enroll in the specific section of MATH 115PC it is paired with during the same semester. Pass/No Pass.

MATH 012 C Skills for Probability and Statistics**2 Units****Prerequisite(s):** Appropriate placement**Corequisite(s):** Concurrent enrollment in MATH 120PC

Term Hours: 36 lecture. This support course covers the skills and concepts needed to be successful in MATH 120PC which includes solving and graphing linear equations, order of operations of real numbers, basic probability, probability distributions, measures of central tendency and dispersion, sampling techniques, parametric and non-parametric tests of hypotheses, point and interval estimation, linear regression and correlation. Students will use computer software and/or graphing calculators for statistical analysis of various topics. This course requires the use of a graphing calculator comparable to the TI-83/84. Students enrolling in a section of MATH 012 C must also enroll in the specific section of MATH 120PC it is paired with during the same semester. Pass/No Pass.

MATH 013 C Skills for Business Calculus**2 Units****Prerequisite(s):** Appropriate placement **Corequisite:** Concurrent enrollment in MATH 130PC

Term Hours: 36 lecture. This support course covers the skills and concepts necessary for success in MATH 130PC. Concurrent enrollment in MATH 130PC is required. Topics include factoring polynomials, solving linear, quadratic, polynomial, and exponential equations, graphing lines and parabolas, laws of exponents and logarithms, functions, solving systems of linear equations, and common geometric formulas. Students enrolling in a section of MATH 013 C must also enroll in the specific section of MATH 130PC it is paired with during the same semester. Pass/No Pass.

MATH 014 C Skills for College Algebra**2 Units****Prerequisite(s):** Appropriate placement**Corequisite(s):** Concurrent enrollment in MATH 141PC

Term hours: 36 lecture. This support course covers the skills and concepts needed to be successful in MATH 141PC. Topics include factoring polynomials, solving linear, quadratic, polynomial, exponential, and logarithmic equations, graphing lines, parabolas, and other nonlinear functions, the laws of exponents, functions, solving systems of linear and nonlinear equations, common geometric formulas, and other fundamentals of Algebra. Students enrolling in a section of Math MATH 014 C must also enroll in the specific section of MATH 141PC it is paired with during the same semester. Pass/No Pass.

MATH 050 C Skills for Calculus I**2 Units****Prerequisite(s):** Appropriate placement **Corequisite:** Concurrent enrollment in MATH 150PC**Advisory:** Highly recommended for students who are seeking increased support for success in Calculus I

Also recommended for students who completed Math 141PC. Term Hours: 36 lecture. This support course covers the skills and concepts needed to be successful in MATH 150PC. Topics include simplifying, factoring, functions, properties of exponents and logarithms, trigonometric identities, graphs, and angle values, and additional concepts from algebra and geometry. Students enrolling in a section of MATH 050 C must also enroll in the specific MATH 150PC course it is paired with during the same semester. Pass/No Pass only.

MATH 098 C Mathematics Seminar**0.5-4 Units**

Term hours: 9-72 lecture depending on units attempted. This course is a lecture/discussion approach to special topics involving mathematics. It may be a problem session relating to a particular course in the curriculum or a study of topics not ordinarily covered in the curriculum. Consult the class schedule to verify unit credit for a particular semester. Fees may be required-payable at registration. Pass/No Pass or Letter Grade option.

MATH 100 C Liberal Arts Mathematics**3 Units****Prerequisite(s):** Geometry and Intermediate Algebra, or their equivalents, with grades of C or better, or by the evaluation of the college's multiple measures placement process

Term hours: 54 lecture. This is a survey course with selected topics from the history and development of mathematics, elementary logic and set theory, probability, statistics, geometry, and exponential and logarithmic applications. The course is designed for prospective teachers and liberal arts students. (UC/CSU, AA GE, CalGETC)

MATH 110 C Math for Prospective Teachers**4 Units****Advisory:** Through the multiple measures' evaluation process, students may be required to take MATH 110PC with the paired support course MATH 009 C

All students may take MATH 110PC with the support course MATH 009 C. Term hours: 72 lecture. This course is an introduction to problem solving processes and strategies. Students explore the development and analysis of the structure and operations of the real number system. Students focus on concept and process development using appropriate models, manipulatives, and activities. This course is designed for prospective elementary and middle school teachers. This course requires the use of a non-graphing scientific calculator. (UC/CSU, AA GE, C-ID: MATH 120)

MATH 110PC Math for Prospective Teachers**4 Units****Corequisite(s):** MATH 009 C All students may take MATH 110PC with the support course MATH 009 C**Advisory:** Through the multiple measures' evaluation process, students may be required to take MATH 110PC with the paired support course MATH 009 C

Term hours: 72 lecture. This course is an introduction to problem solving processes and strategies. Students explore the development and analysis of the structure and operations of the real number system. Students focus on concept and process development using appropriate models, manipulatives, and activities. This course is designed for prospective elementary and middle school teachers. This course requires the use of a non-graphing scientific calculator. This course contains the same topics as MATH 110 C, but it must be taken concurrently with a paired section of the corequisite MATH 009 C. Duplicate credit not granted for MATH 110 C. (UC/CSU, AA GE)

MATH 115 C Finite Mathematics**4 Units****Prerequisite(s):** Intermediate Algebra, or their equivalents, with grades of C or better, or by the evaluation of the college's multiple measures placement process**Advisory:** Through the multiple measures' evaluation process, students may be required to take MATH 115PC with the paired support course MATH 011 C

All students may take MATH 115PC with the support course MATH 011 C. Term hours: 72 lecture. This is a general education course in practical mathematics for liberal arts students or non-STEM majors. This course covers linear equations, functions, finance, matrices, linear systems, linear programming, sets, counting techniques, probability, and applications to various fields such as business, economics, life sciences, and social sciences. This course requires the use of a TI-83/84 or equivalent graphing calculator. (UC/CSU, AA GE, Cal-GETC, C-ID: MATH 130).

MATH 115PC Finite Mathematics**4 Units**

Prerequisite(s): Intermediate Algebra, or their equivalents, with grades of C or better, or by the evaluation of the college's multiple measures placement process

Corequisite(s): Concurrent enrollment in MATH 011 C

Advisory: Through the multiple measures' evaluation process, students may be required to take MATH 115PC with the paired support course MATH 011C

All students may take MATH 115PC with the support course MATH 011 C. Term hours: 72 lecture. This is a general education course in practical mathematics for liberal arts students or non-STEM majors. This course covers linear equations, functions, finance, matrices, linear systems, linear programming, sets, counting techniques, probability, and applications to various fields such as business, economics, life sciences, and social sciences. This course requires the use of a TI-83/84 or equivalent graphing calculator. This course contains the same topics as MATH 115 C, but it must be taken concurrently with a paired section of the corequisite MATH 011 C. Duplicate credit not granted for MATH 115 C. (UC/CSU, AA GE, Cal-GETC, C-ID: MATH 130).

MATH 120PC Introduction to Probability and Statistics**4 Units**

Prerequisite(s): Pre-Statistics or Intermediate Algebra, or their equivalents, with grades of C or better, or by the evaluation of the college's multiple measures placement process

Corequisite(s): Concurrent enrollment in MATH 012 C

Advisory: Through the multiple measures' evaluation process, students may be required to take MATH 120PC with the paired support course MATH 012 C

All students may take MATH 120PC with the support course MATH 012 C. Term hours: 72 lecture. This course is an introduction to the elements of statistical analysis which includes an intuitive approach to the study of probability and probability distributions, measures of central tendency and dispersion, sampling techniques, parametric and non-parametric tests of hypotheses, analysis of variance, point and interval estimation, linear regression and correlation. Applications to business, biological sciences, health sciences, and social sciences are emphasized. Students will use computer software and/or graphing calculators for statistical analysis of various topics. This course requires the use of a graphing calculator comparable to the TI-83/84. This course contains the same topics as STAT C1000, but it must be taken concurrently with a paired section of the corequisite MATH 012 C. Students who receive credit for this course may not receive credit for STAT C1000. Duplicate credit not granted for PSY 161 C, PSY 161HC, SOC 161 C, or SOC 161HC. (UC/CSU, AA GE, Cal-GETC, C-ID: MATH 110 and SOCI 125).

MATH 126 C Introduction to Probability and Statistics with Technology**4 Units**

Prerequisite(s): Pre-Statistics or Intermediate Algebra, or their equivalents, with grades of C or better, or by the evaluation of the college's multiple measures placement process

Proof of prerequisites is required. Term hours: 72 lecture. This course is an introduction to the elements of statistical analysis which includes an intuitive approach to the study of probability and probability distributions, measures of central tendency and dispersion, sampling techniques, parametric tests of hypotheses, point and interval estimation, linear regression and correlation. Applications to business, biological sciences, health sciences, and social sciences are emphasized. Students will use computer software and/or graphing calculators for statistical analysis of various topics. This course requires the use of the software R and RStudio. Duplicate credit not granted for STAT C1000 (MATH 120 C), MATH 120PC, or MATH 120HC. (CSU/UC, AA GE) (C-ID: MATH 110)

MATH 130 C Business Calculus**4 Units**

Prerequisite(s): Intermediate Algebra, or their equivalents, with grades of C or better, or by the evaluation of the college's multiple measures placement process

Advisory: Through the multiple measures' evaluation process, students may be required to take MATH 130PC with the paired support course MATH 013C

All students may take MATH 130PC with the support course MATH 013C. Term hours: 72 lecture. This course is an introduction to calculus with an emphasis on solution techniques and applications rather than abstract theory. It includes elements of analytic geometry, limits, derivatives, integration as a summation process, exponential and logarithmic functions, integration of basic forms, techniques of integration, an introduction to multi-variable calculus, and curve sketching, with applications from the life sciences, engineering technology, economics, and the social sciences. This course requires the use of a graphing calculator comparable to the TI-83/TI-84. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID: MATH 140).

MATH 130PC Business Calculus**4 Units**

Prerequisite(s): Intermediate Algebra, or their equivalents, with grades of C or better, or by the evaluation of the college's multiple measures placement process

Corequisite(s): Concurrent enrollment in MATH 013 C

Advisory: Through the multiple measures' evaluation process, students may be required to take MATH 130PC with the paired support course MATH 013 C

All students may take MATH 130PC with the support course MATH 013 C. Term hours: 72 lecture. This course is an introduction to calculus with an emphasis on solution techniques and applications rather than abstract theory. It includes elements of analytic geometry, limits, derivatives, integration as a summation process, exponential and logarithmic functions, integration of basic forms, techniques of integration, an introduction to multi-variable calculus, and curve sketching, with applications from the life sciences, engineering technology, economics, and the social sciences. This course requires the use of a graphing calculator comparable to the TI-83/TI-84. This course contains the same topics as MATH 130 C, but it must be taken concurrently with a paired section of the corequisite MATH 013 C. Duplicate credit not granted for MATH 130 C. (UC/CSU, AA GE, Cal-GETC, C-ID: MATH 140)

MATH 141 C College Algebra**4 Units**

Prerequisite(s): Geometry and Intermediate Algebra, or their equivalents, with a grade of C or better, or by the evaluation of the college's multiple measures placement process

Advisory: Through the multiple measures' evaluation process, students may be required to take MATH 141PC with the paired support course MATH 014 C

All students may take MATH141PC with the support course MATH 014 C. Term hours: 72 lecture. This is one of two courses to prepare students for the calculus sequence. The topics covered include a review of the fundamentals of algebra; rational, exponential and logarithmic functions; theory of equations and zeros of polynomial functions; systems of equations including linear and quadratic systems; sequences and series; permutations; combinations; binomial theorem; analytic geometry; conic sections; and miscellaneous topics. (UC/CSU, AA GE, CalGETC, C-ID: MATH 151)

MATH 141PC College Algebra**4 Units**

Prerequisite(s): Geometry and Intermediate Algebra, or their equivalents, with a grade of C or better, or by the evaluation of the college's multiple measures placement process

Corequisite(s): MATH 014 C Term hours: 72 lecture

Advisory: Through the multiple measures' evaluation process, students may be required to take MATH 141PC with the paired support course MATH 014 C

All students may take MATH141PC with the support course MATH 014 C. This is one of two courses to prepare students for the calculus sequence. The topics covered include a review of the fundamentals of algebra; rational, exponential and logarithmic functions; theory of equations and zeros of polynomial functions; systems of equations including linear and quadratic systems; sequences and series; mathematical induction; permutations; combinations; binomial theorem; analytic geometry; conic sections; and miscellaneous topics. This course contains the same topics as MATH 141 C, but it must be taken concurrently with a paired section of the corequisite MATH 014 C. Duplicate credit not granted for MATH 141 C. (UC/CSU, AA GE, CalGETC)

MATH 142 C Trigonometry**4 Units**

Prerequisite(s): MATH 141 C or MATH 141PC with a grade of C or better and the assessment process

Term hours: 72 lecture. This is a one-semester course in trigonometry designed to prepare students for the study of calculus. The topics to be covered include the following: measurements of angles, trigonometric and inverse trigonometric functions and their graphs, solving trigonometric equations, verifying trigonometric identities, solutions of triangles, complex numbers, polar coordinates, vectors, De Moivre's Theorem, and parametric equations. (CSU, AA GE)

MATH 150AC Calculus I**4 Units**

Prerequisite(s): Both MATH 141 C and MATH 142 C, or both MATH 141PC and MATH 142 C all with a grade of C or better and the assessment process

Proof of prerequisites is required. Term hours: 72 lecture. This course is an introduction to mathematical analysis. It includes the study of analytic geometry, functions and limits, continuity, differentiation and integration. Problem work includes applications involving derivatives, definite integrals and indefinite integrals. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: MATH 210 and MATH 900S= MATH 150AC + MATH 150BC)

MATH 150BC Calculus II**4 Units**

Prerequisite(s): MATH 150AC or Calculus I and Analytic Geometry with a grade of C or better and the assessment process

Proof of prerequisites is required. Term hours: 72 lecture. This course is a continuation of Math 150A. It includes the study of applications of integration, techniques of integration, improper integrals, sequences, infinite series, power series, Taylor and Maclaurin series, conic sections, parametric equations, polar curves, and a brief introduction to differential equations. (UC/CSU, AA GE, CalGETC, C-ID: MATH 221 and MATH 900S= MATH 150AC + MATH 150BC)

MATH 150PC Calculus I**4 Units**

Prerequisite(s): Both MATH 141 C and MATH 142 C, or both MATH 141PC and MATH 142 C all with a grade of C or better and the assessment process

Corequisite(s): Concurrent enrollment in MATH 050 C

Proof of prerequisites is required. Term hours: 72 lecture. This course is an introduction to mathematical analysis. It includes the study of analytic geometry, functions and limits, continuity, differentiation and integration. Problem work includes applications involving derivatives, definite integrals, and indefinite integrals. (CSU/UC, AA GE)

MATH 220 C Introduction to Data Science with R**4 Units**

Prerequisite(s): MATH 141 C or MATH 141 PC or STAT C1000 (MATH 120 C) or MATH 120PC or MATH 126 C, or their equivalents, with a grade of C or better, or by the evaluation of the college's multiple measures placement process

Proof of prerequisites is required. Note: Students majoring in Engineering, Science or Math should be taking MATH 141 C or MATH 141PC rather than STAC C1000 (MATH 120 C) or MATH 120PC or MATH 126 C. This course is an introduction to foundations of data science. Topics include data collection, data wrangling, exploratory analysis and visualization, introduction to statistical modeling, prediction and classification, and model outcome interpretations. Applications include real data from a wide range of fields following reproducible practice. Students will use computer software for statistical analysis of various topics. This course requires the use of the software R and Rstudio. (CSU/UC, AA GE)

MATH 250AC Multivariable Calculus**4 Units**

Prerequisite(s): MATH 150BC or Calculus II and Analytic Geometry with a grade of C or better and the assessment process

Proof of prerequisites is required. Term hours: 72 lecture. This is an intermediate course in mathematical analysis. It includes the study of three-dimensional analytic geometry, calculus of functions of several variables, vector calculus, multiple integration, vector fields and theorems, with associated problem applications. (UC/CSU, AA GE, CSU GE, IGETC, C-ID: MATH 230)

MATH 250BC Linear Algebra and Differential Equations**5 Units**

Prerequisite(s): MATH 250AC or Calculus III and Analytic Geometry with a grade of C or better AND the assessment process

Term hours: 90 lecture. This course is an introduction to linear algebra and ordinary differential equations. Linear algebra includes matrix algebra, solutions of linear systems of equations, augmented matrices with Gauss-Jordan elimination, inverse matrices, determinants, vector spaces, linear independence, basis, dimension, subspace, row space, column space, null space, inner product space, the Gram-Schmidt procedure, linear transformations (proofs, kernel and range), eigenvalues, eigenvectors, diagonalization and orthogonal diagonalization of symmetric matrices. Differential equations includes applications and solutions to first-order differential equations (separable, linear, homogeneous, Bernoulli, and exact), higher order differential equations (reducible to first order, Cauchy-Euler, undetermined coefficients, variation of parameters, power series, and the Laplace Transform), and systems of linear differential equations (fundamental solutions, variation of parameters, and solutions by eigenvalues and eigenvectors). (UC/CSU, AA GE, IGETC, CSU GE, C-ID: MATH 240, MATH 250, MATH 910S)

MATH 299 C Mathematics Independent Study**0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 9-36 lecture depending on units attempted. This course is for students who have demonstrated interest in and capability for increased knowledge of mathematical topics not ordinarily covered in curriculum courses. Students will participate in independent study or research on assigned projects under staff supervision. (CSU).

Media Arts Design (MAD)

MAD 100 C Introduction to Media Arts Design

3 Units

Term hours: 36 lecture and 72 laboratory. This course focuses on the use of digital design, video, animation and page layout programs. This course is designed for artists to design, create, manipulate and export graphic imagery including print, video and motion design elements. This course is intended as a gateway into the varied offerings of the Media Arts Design program, where the student can pursue more in-depth study on the topic(s) that most attracted them during this introductory class. \$20 materials fee payable at registration. (CSU, C-ID: ARTS 250 and DMGR 100 X)

MAD 102 C Introduction to WEB Design (formerly Introduction to WEB Graphics-Mac)

3 Units

Term hours: 36 lecture and 72 laboratory. This course is an overview of the many uses of media arts design, with an emphasis on web publishing for the Internet. In the course of the semester, students create a personal web page enriched with such audiovisual elements as animation, sound, video and different types of still images. This course is intended as a gateway into the varied offerings of the Media Arts Design program, where the student can pursue more in-depth study on the topics that most attracted them during this introductory class. \$20 materials fee payable at registration. (UC/CSU)

MAD 103 C Exploring WEB Design (formerly Introduction to WEB Graphics-Windows)

3 Units

Term hours: 54 lecture. This course is an overview of the many uses of media arts design, with an emphasis on web publishing for the internet. During the course of the semester, the students create a personal webpage enriched with such audiovisual elements as animation, sound, video and different types of still images. This course is intended as a gateway into the varied offerings of the Media Arts Design program where the student can pursue more in-depth study on the topics that most attracted them during this introductory course. (UC/CSU)

MAD 104 C Introduction to 3D (formerly Introduction to 3D Graphics-Mac)

3 Units

Term hours: 36 lecture and 72 laboratory TBA. This course is an introductory overview of 3D design. Students will create original 3D still and animation imagery for their portfolio. This course is intended as a gateway into other 3D courses where the student can pursue more in-depth study on the topic(s) that most attracted them during this introductory class. \$20 materials fee payable at registration. (CSU)

MAD 106 C Editing for Social Media

3 Units

Term hours: 36 lecture and 72 laboratory. This course examines the evolving role social media and video play in the cultural and business segments of 21st Century life. Students will learn to create social media short format content. They will shoot and edit video and audio content. Students will develop a plan to distribute and market their brand identity. \$20.00 Material Fee - Payable at Registration. (CSU, C-ID: DMGR 120 X).

MAD 107 C Motion Design I (formerly Motion Graphics I)

3 Units**Advisory:** MAD 100 C

Term hours: 36 lecture and 72 laboratory. This course introduces students to the art of motion design. Projects like product ad, title design, infographics, logo animation will be assigned during the course to teach students how to preplan, design, animate a project, but also, how to use current industry software to achieve these goals. They will understand the design and technical challenges posed by motion design and will create projects that are used in the fields of advertising, commercial animation, music performance, theater entertainment and film. \$20 materials fee payable at registration. (CSU/UC)

MAD 108 C Digital Video Production (formerly Digital Video Production I-Windows)

3 Units

Term hours: 36 lecture and 72 laboratory. This course introduces Windows digital video production techniques including single camera operation and procedures, basic principles and techniques of sound and scriptwriting, and digital video editing. Course topics include the operation of digital camcorders; lighting and sound equipment and post production digital editing suites; concepts and techniques of nonlinear digital editing, including organization of the editing process; working the time line and audio editing, with emphasis on the principles and aesthetics of video editing. \$20 materials fee payable at registration. (CSU)

MAD 110 C Animation History Technology

3 Units

Term hours: 54 lecture. This course is an introduction to the history and technological development of the field of animation. Animation will be explored from various perspectives: chronology, form, culture, and by personality. Emphasis is placed on examining how animation records, reflects and comments on world events and culture. (UC/CSU, AA GE, CalGETC)

MAD 111 C Introduction to Media Writing

3 Units**Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This is a basic introductory course in writing for the film and electronic media. Emphasis on preparing scripts in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes in film and electronic media. Includes a writing evaluation component as a significant part of the course requirement. (CSU)

MAD 112 C Digital Illustration (formerly Electronic Illustration-Mac)

3 Units

Term hours: 36 lecture and 72 laboratory. This course focuses on creating vector images for illustration, integration into publishing, and as stand-alone design allowing high resolution output. This course offers the professional artist basic computer skills needed for employment and/or advancement. \$20 materials fee payable at registration. (CSU)

MAD 114 C Digital Illustration II

3 Units

Term hours: 36 lecture and 72 laboratory. This course is intended for the graphic designer, illustrator and fine artist, focusing on the advanced usage of several 2D vector based drawing software packages. The course focuses on the advanced usage of vector images for integration into publishing/page layout software and as stand-alone images allowing high-resolution output. This course focuses on creating vector images for illustration, integration into publishing, and as stand-alone design allowing high resolution output. This course offers the professional artist advanced computer skills needed for employment and/or advancement. \$20 materials fee payable at registration. (CSU)

MAD 116 C Graphic Design I (formerly ART 140 C)

3 Units

Term hours: 36 lecture and 72 laboratory. This is a basic course in advertising/graphic design, with emphasis on problem solving in lettering, typography, and trademark design. It includes development of concept development, layout, and presentation skills. Projects include lettering design, layout, trademark design, and typography. Students are introduced to non-electronic and electronic design techniques. Materials fees are for materials provided by the department. \$20 materials fee payable at registration. (CSU/UC)

MAD 117 C Graphic Design II (formerly MAD 144 C)**3 Units****Prerequisite(s):** MAD 116 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This is an intermediate course in advertising/graphic design with emphasis upon development of a highly comprehensive finished portfolio. Course includes refinement of concept development, layout, and presentation skills. Students refine their non-electronic and electronic design techniques. Material fees for materials are provided by the department. \$20 materials fee payable at registration. (CSU)

MAD 118 C Graphic Design III (formerly ART 142 C)**3 Units****Prerequisite(s):** MAD 117 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This is an advanced course in advertising/graphic design with an emphasis upon development of comprehensive finished portfolio pieces. This course includes group and individual design projects planned to provide experience in all steps of graphic design from concepts and development of a campaign continuity to production specifications. Special attention and emphasis is placed on planning and preparation of an advertising/graphic portfolio. Materials fees for materials are provided by the department. \$20 materials fee payable at registration. (CSU)

MAD 120 C Beginning 3D**3 Units**

Term hours: 36 lecture and 72 laboratory. This course focuses on computer generated 3D design techniques through the use of three-dimensional design programs. The course emphasis is on the introduction of three-dimensional concepts, the use of modeling tools, menu structures and modeling building applications of 3D design systems. Skills taught in this course will give students the ability to create original three-dimensional computer generated models of organic or mechanical design and animate them. \$20 materials fee payable at registration. (CSU)

MAD 122 C History of Graphic Design**3 Units**

Advisory: Eligibility for college-level composition or appropriate placement
Term hours: 54 lecture. This course surveys the history of visual communication, design's sociopolitical and cultural contexts, and the artistic and technological characteristics of various movements. Students gain a broad understanding of design and its dynamic past to discover inspiration for the present. Students conduct research, propose, and create a project inspired by the designers and movements studied. (UC/CSU AA GE, CalGETC)

MAD 124 C Stop-Motion Animation Film I**3 Units**

Term hours: 36 lecture and 72 laboratory. In this course, students will learn the art and techniques of stop-motion animation filmmaking through lectures and hands-on demonstrations. Students will create stop-motion films using traditional clay puppets and brickfilms techniques to tell stories. (CSU)

MAD 125 C Stop-Motion Animation Film II**3 Units**

Term hours: 36 lecture and 72 laboratory. In this course, students will learn advanced skills, techniques and aesthetics for stop-motion animation filmmaking through lectures and hands-on demonstrations. Students will create stop-motion films using traditional clay puppets and brickfilms techniques to tell stories. (CSU)

MAD 126 C Crime Film Genre**3 Units**

Advisory: ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. Crime film genre revolves around criminal activity. This class examines the motivations of criminals and the affects of criminal activity on individuals and society. Crime films chronicle the patterns of business, individual, and political crimes perpetrated in private and public and how the comment or reflect society in a given era. (UC/CSU, AA GE)

MAD 127 C Fantasy Film Genre**3 Units**

Advisory: ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. Fantasy films are films that belong to the fantasy genre with fantastic themes, usually magic, supernatural events, mythology, folklore, or exotic fantasy worlds. A primary focus of this class is the analysis of technical advancements in film production and cinematic techniques and styles present in the genre. Students study films screened as part of the course activities. (UC/CSU, AA GE)

MAD 128 C Comedy Film Genre**3 Units**

Advisory: ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. Comedy films are films that leverage physical and verbal humor to support the narrative present in a film. A primary focus of this class is the analysis of technical advancements in film production and cinematic techniques and styles present in the comedy film genre. Students study films screened as part of the course activities. (UC/CSU, AA GE)

MAD 129 C Musical Film Genre**3 Units**

Advisory: ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. Musical films are films that punctuate the narrative with musical numbers that often include original songs and scores performed by the lead characters and supporting cast. A primary focus of this class is the analysis of technical advancements in film production and cinematic techniques and styles present in the comedy film genre. Students study films screened as part of the course activities. (UC/CSU, AA GE)

MAD 130 C Intro to Electronic Media**3 Units**

Term hours: 54 lecture. This course introduces the history, structure, function, economics, content and evolution of radio, television, film, the Internet, and new media, including traditional and mature formats. The social, political, regulatory, ethical and occupational impact of the electronic media are also studied. (UC/CSU, AA GE)

MAD 131 C Introduction to Media (formerly MM 105 C)**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
Term hours: 54 lecture

Formerly MM 105 C. Introduction to Media Aesthetics and Cinematic Arts introduces the close analysis of film and television texts. Examines the broad questions of form and content, aesthetics and meaning, and history and culture. Explores the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology and critical analysis. (UC/CSU, AA GE)

MAD 132 C Digital Painting**3 Units**

Term hours: 36 lecture and 72 laboratory. This course focuses on digitally painting images. Course topics include creation of original drawings; paintings and illustrations, using an assortment of digitally based chalks, pens, paints, inks, papers and textures. The course offers the professional artist raster based digital drawing /painting and illustration skills, on a computer, needed for employment and/or advancement. \$20 materials fee payable at registration. (CSU)

MAD 134 C Digital Imaging (formerly Digital Imaging-Mac) 3 Units

Term hours: 36 lecture and 72 laboratory TBA. This course focuses on the usage of software for the manipulation of bit-mapped (raster) images using illustrative, photographic, scanned and video images as the basis for image manipulation. Course topics include image enhancement, editing, composite, retouching, photo montages, prepress, color separations and web based images. \$20 materials fee payable at registration. (CSU)

MAD 136 C Digital Imaging II (formerly Digital Imaging II-Mac) 3 Units

Term hours: 36 lecture and 72 laboratory. This course focuses on the advanced usage of software for the manipulation of bit-mapped (raster) images using illustrative, photographic, scanned and video images as the basis for image manipulation. Course topics include image enhancement, editing, composite, retouching, photo montages, prepress, color separations and web based images. \$20 materials fee payable at registration. (CSU)

MAD 150 C Intermediate 3D (formerly Intermediate Animation-Mac)**3 Units**

Term hours: 36 lecture and 72 laboratory. The course focuses on intermediate skills in 3D computer modeling and animation using industry standard 3D software. The course focus is on intermediate techniques in modeling, texturing, lighting, motion control, and rendering animations for various purposes. Skills taught in this course will give students the ability to create original 3D computer generated models of intermediate organic or inorganic design with a high degree of realism and resolution. Animation techniques explored will provide cinematic realism and presentation. \$20.00 MATERIAL FEE -- PAYABLE AT REGISTRATION. (CSU)

MAD 156 C Advanced 3D (formerly Advanced Animation-Mac) 3 Units

Term hours: 36 lecture and 72 laboratory. The course focuses on advanced skills in 3D computer modeling and animation with a 3D industry standard software. The course focus is on advanced techniques in modeling, texturing, lighting, motion capture, and rendering animations for various purposes. Skills taught in this course will give students the ability to create original digital 3D models of advanced design with a high degree of realism and resolution. Animation techniques explored will provide cinematic realism and presentation. The course will combine 3D modeling and animation with 2D graphics imagery through mapping, editing techniques and visual effects. \$20.00 MATERIAL FEE -- PAYABLE AT REGISTRATION. (CSU)

MAD 175 C Entertainment Design Studio**3 Units**

Term hours: 36 lecture and 72 laboratory. This is a course in contemporary art making with a special emphasis on new genres and technology-based media, including projects in digital media, installation, performance, video, interdisciplinary media, experiential design and other nontraditional media and processes. The course will include lectures, discussions, field trips, performances and projects that address contemporary art and technology topics. \$20.00 MATERIALS FEE - PAYABLE AT REGISTRATION. (CSU)

MAD 176 C Digital Design Studio I (formerly MAD 199 C)**1 Unit**

Term hours: 54 laboratory. This course is designed as an open laboratory for students currently enrolled in Media Arts Design courses that require completion of digital assignments and/or personal digital portfolio development. Extended laboratory hours to supplement those available in a student's regular class. This lab provides students the opportunity to attain fundamental skills to complete their assignments and personal projects. \$20 materials fee payable at registration. Pass/No Pass only. Open Entry/Open Exit. (CSU)

MAD 177 C Digital Design Studio II**1 Unit**

Prerequisite(s): MAD 176 C with a grade of C or better

Term hours: 54 laboratory. This course is designed as an open laboratory for students currently enrolled in Media Arts Design courses that require completion of digital assignments and/or personal digital portfolio development. Extended laboratory hours to supplement those available in a student's regular class. This lab provides students the opportunity to attain fundamental skills to complete their assignments and personal projects. \$20 materials fee payable at registration. Pass/No Pass or Letter Grade option. Open Entry/Open Exit. (CSU)

MAD 178 C Digital Design Studio III**1 Unit**

Prerequisite(s): MAD 176 C and MAD 177 C, with a grade of C or better

Term hours: 54 laboratory. This course is designed as an open laboratory for students currently enrolled in Media Arts Design courses that require completion of digital assignments and/or personal digital portfolio development. Extended laboratory hours to supplement those available in a student's regular class. This lab provides students the opportunity to attain fundamental skills to complete their assignments and personal projects. \$20 materials fee payable at registration. Open Entry/Open Exit. Pass/No Pass or Letter Grade option. (CSU)

MAD 179 C The Film Business - Conception to Exhibition**3 Units**

Term hours: 54 lecture. This comprehensive and unique course will provide the Film/Media student with the actual tools to parallel their creative vision with the proper marketing strategies to succeed in the Film/Media business. This course will focus on the parallel businesses of film production and Film Distribution/Exhibition as the film making progress moves along. (CSU)

MAD 180 C Video Editing (formerly Video Editing-Mac)**3 Units**

Term hours: 36 lecture and 72 laboratory. This course includes the study and hands-on use computers, assorted hardware, software, media recorders, and other tools and techniques used for editing and composition of video and audio sources. The course is to provide a thorough introduction to the world of digital video editing used in the fields of multimedia, digital cinema, web based streaming video and mobile video distribution. \$20 materials fee payable at registration. (CSU)

MAD 182 C Cinematography**3 Units**

Term hours: 36 lecture and 72 laboratory. This is a course in digital cinema planning and production taught through hands-on experience, research and video production. Course topics include digital cinema as a distinct form of artistic expression; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of digital cinema; logistics, script development, sound recording, video and sound editing; and methods by which the visual and aural elements may be organized. The roles and responsibilities of the digital cinema artist will be examined, including skills and knowledge required in developing, budgeting, managing, producing, and distributing programs. \$20.00 Material Fee - Payable at Registration. (CSU/UC)

MAD 183 C Preproduction for TV, Video and Film**3 Units**

Term hours: 54 lecture. This course prepares students to make a film by teaching the necessary steps leading up to shooting the film in production. Topics covered include script, proposal, treatment, casting, crew, locations, financing, personnel, permits, unions, and talent. (CSU)

MAD 184 C Digital Video Explorations**3 Units**

Term hours: 36 lecture and 72 laboratory. This course focuses on the experimental use of digital video and audio programs. This course is designed for students to input, create, manipulate and output experimental digital video. This class is intended as a gateway into the varied offerings of the Digital Cinema program, where the student can pursue more in-depth study on the topic(s) that most attracted them during this introductory class. \$20 materials fee payable at registration. (CSU)

MAD 185 C Documentary Film Production (formerly Documentary Digital Cinema)**3 Units**

Term hours: 36 lecture and 72 laboratory. This course provides an introduction to contemporary documentary filmmaking techniques used by digital cinema technicians and artists. Hands-on demonstration and lecture and group activities present technical and artistic approaches to documentary productions. Students participate in individual and group projects to produce documentary films. \$20 materials fee payable at registration. (CSU)

MAD 186 C Film and Video Field Productions (formerly Live Event Video and Audio Production)**3 Units**

Term hours: 36 lecture and 72 laboratory. This course is designed to introduce the student to the aesthetic concepts, basic skills, and techniques used by videographers to create story films. Students will acquire hands on knowledge of Digital Cinema applications and hardware used in live event videography. \$20 materials fee payable at registration. (CSU)

MAD 187 C Motion Design II (formerly Motion Graphics II)**3 Units**

Term hours: 36 lecture and 72 laboratory. This advanced course studies in-motion graphics design and software. Topics include both technical and aesthetic issues for motion graphic composition and implementation. Students concentrate on one area to explore in depth and further develop their skills. Production workflow is emphasized. Current trends and styles are discussed. \$20 materials fee payable at registration. (CSU)

MAD 188 C Beginning Single Camera Production**3 Units**

Term hours: 36 lecture and 72 laboratory TBA. This course provides an introduction to the theory, terminology, and operation of single camera video production, including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control and basic editing. This course focuses on the aesthetics and fundamentals of scripting, producing, directing on location, postproduction, and exhibition/distribution. \$20 materials fee payable at registration. (CSU, C-ID: FTVE 130)

MAD 189 C Cinematography II**3 Units**

Term hours: 36 lecture and 72 laboratory. This is an advanced course in digital cinema design and production planning taught through hands-on experience, research and video production. Course topics include digital cinema as a new media tool; synthetic lighting, technological advances in cinematography and emerging tools and techniques. \$20 materials fee payable at registration. (CSU/UC)

MAD 190 C Contemporary Art Studio**3 Units**

Term hours: 36 lecture and 72 laboratory. This is a course in contemporary art making with a special emphasis on new genres and technology-based media, including projects in digital media, installation, performance, video, interdisciplinary media, and other nontraditional media and processes. The course will include lectures, discussions, field trips, and projects that address contemporary art and technology topics. (UC/CSU)

MAD 191 C Film Noir Genre**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

This course is an in depth exploration of Film Noir. The film genre identified by its crime melodramas where private investigators, innocents and deceptive characters live in a world of corruption, betrayal, obsession, intense romantic trysts and sudden violence. Films will be screened from this period in cinema which began in the early 1940's and continued to the late 1950's with echoes of the genre emerging up to the present. (UC/CSU, AA GE, CalGETC)

MAD 192 C Great Directors of Cinema**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. A study of historically and aesthetically important film directors focusing on how their work has advanced and defined the art of cinema. The course will explore various directors in terms of themes, stylistic tendencies including use of cinematography tools and social/historical context. (UC/CSU, AA GE, CalGETC)

MAD 193 C Introduction to 2D Animation**3 Units**

Term hours: 36 lecture and 72 laboratory. This course is an introduction to 2D animation production including classical character animation and non-traditional techniques. The class will explore traditionally drawn and emerging digital animation techniques and technology. \$20 materials fee payable at registration. (CSU)

MAD 194 C Beginning Motion Picture Production**3 Units**

Term hours: 36 lecture and 72 laboratory. This course provides an introduction to the theory, terminology, and process of motion picture production for film and television. Topics include basic cinematography including the operation, function and creative uses of production and post-production equipment, scriptwriting, camera operation, shot composition, lighting, sound recording and mixing, and editing. \$20.00 Materials Fee - Payable at Registration. (CSU, C-ID: FTVE 150)

MAD 195 C Science Fiction Film Genre**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

This course is an in depth exploration of the Science Fiction Film Genre. The genre is identified by speculative science based narratives which may include time travel, aliens, robots and other futuristic elements. Science fiction films have been used to explore political and social issues as well as human condition. A primary focus of this class is the analysis of technical advancements in film production and cinematic techniques and styles present in the genre. Students will be required to obtain and view films from a provided list. (UC/CSU, AA GE, CalGETC)

MAD 196 C Silent Film Genre**3 Units**

Advisory: ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is an in depth exploration of Silent Film Genre. The film genre identified as the first attempt at narrative storytelling using the film medium was popularized during the first three decades of the 20th Century. The course covers the history, technology and productions from the original silent era and continues into the contemporary era where silent film has experienced a rebirth. (UC/CSU, AA GE, CalGETC)

MAD 197 C Western Film Genre**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is an in depth exploration of the Western Film Genre which originated in the United States. The film genre is identified by its heroes and villains struggling for control of the American frontier and conquest over the wilderness. Films will be screened from this period in cinema which began in the silent era and continue to the present. A focus will be placed on the technological advances in film production and cinematic styles that have influenced contemporary films. (UC/CSU, AA GE, CalGETC)

MAD 198 C Horror Film Genre**3 Units**

Advisory: Eligibility for college-level composition or appropriate placement
Term hours: 54 lecture. This course is an in depth exploration of the Horror Film Genre. Horror films reflect social anxieties, and impact contemporary culture. The course covers the history, technology and productions of the horror film genre along with its influence on culture and other entertainment mediums. The course investigates cinematic techniques employed to create fear in audiences and examines the business of international horror cinema. Students analyze how horror films express character, philosophy, gender, desire, sexuality, and violence in the narrative mise-en-scene. The course investigates the audience's attraction to fear, the history of horror as entertainment and its part in spawning urban myths. (AA GE, UC/CSU, CalGETC)

MAD 200 C Storyboarding, Comics, Previz (formerly Storyboard, Comics, Pre Visual)**3 Units****Advisory:** ART 120 C

Term hours: 36 lecture and 72 laboratory. This course focuses on sequential arts such as storyboards, comics, and visual development. Emphasis will be on story structure, the language of film, camera shots, drawing and painting for comics, film and animation. This course also covers concept development and design. \$20 materials fee payable at registration. (CSU)

MAD 201 C 3D Typography for Media Design**3 Units****Advisory:** MAD 100 C

Term hours: 36 lecture and 72 laboratory. This is an intermediate course on typography with emphasis on its use in digital communication. It includes development of concept, layout, and presentation skills. Projects include lettering design, layout, and 3D typography. Students are introduced to digital design techniques both in 2 dimensional and 3 dimensional forms. Materials fees are for materials provided by the department. \$20 materials fee payable at registration. (UC) (CSU)

MAD 203 C Intermediate 2D Animation**3 Units****Prerequisite(s):** MAD 193 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This is an intermediate level course to 2D animation production including classical character animation and non-traditional techniques. This course will explore traditionally drawn and emerging digital animation techniques and technology. \$20 materials fee payable at registration. (CSU/UC)

MAD 204 C Visual Development and Layout**3 Units****Advisory:** ART 120 C

Term hours: 36 lecture and 72 laboratory. This course is focusing on visual development of characters, environments, backgrounds, architecture, and props design using research, sketching, painting and color to create dramatic, stylized designs for animation, live action, theater and gaming productions. The primary goal is to provide a clear methodology to generate original, believable and inventive work with drawing and the use of relevant computer software. \$20 materials fee payable at registration. (CSU)

MAD 207 C Projection Design (formerly Projection Mapping for Live Entertainment)**3 Units****Advisory:** MAD 100 C and MAD 107 C

Term hours: 36 lecture and 72 laboratory. This is an intermediate level course focusing on projection design using industry standard software. These designs are projected on buildings or other surfaces during live entertainment, stage production and concert events. The primary goal is to provide a clear direction to generate original, believable and inventive work with the use of relevant technology. The \$20 materials fee payable at registration, are provided by the department. (CSU/UC)

MAD 210 C 3D Storyboarding and Layout**3 Units****Advisory:** MAD 104 C or MAD 200 C

Term hours: 36 lecture and 72 laboratory. This course is focusing on 3D-layout, a specific form of digital "storyboarding" with emphasis on composing shots in 3D, positioning and animating the camera, loading any needed set pieces and characters into the shot and putting them into their positions. The primary goal of the class is to generate a clear 3D environment as well as limited character movement for each shot, based on a script or a storyboard. Students will work with relevant computer software. \$20 materials fee payable at registration. (CSU)

MAD 295 C Media Arts Design Internship**3 Units**

Term hours: 36 lecture and 72 laboratory. This course is an exploration of internship opportunities in the field of media arts including, graphic design, 2D and 3D modeling and animation, motion picture production, video production, computer graphics, visual effects and web design and Internet distribution of content. Pass/No Pass or Letter Grade Option (CSU, C-ID: DMGR 130 X)

Mortuary Science (MORT)

MORT 085 C Work Experience**1-4 Units****Prerequisite(s):** Admission to Mortuary Science Program

Must be enrolled in seven units or more in the Mortuary Science Program, including work experience. Term hours: 18 lecture and 80-360 related employment in an approved funeral establishment. This course focuses on exploring work related issues in a funeral establishment of the student's own selection. Discussion of funeral service business and related technical issues are explored. The course includes job analysis, writing a resume, self-management, self-development and employer-employee relations. May be taken for credit 4 times.

MORT 163 C Embalming Anatomy and Pathology I**4 Units****Prerequisite(s):** Admission to Mortuary Science Program

Term hours: 72 lecture. This introductory course is designed for the mortuary science student, surveys general anatomical, physiological and pathological concepts processes and terminology important to the funeral service practitioner in understanding the embalming process, articulating with allied health/forensic professionals, interpreting death certificates and protecting oneself and the public against communicable disease. Also considered are those medical and forensic pathologies presenting particular embalming and restorative problems. (CSU)

MORT 201 C Funeral Directing**5 Units****Prerequisite(s):** Admission to the Mortuary Science Program

Term hours: 72 lecture and 54 laboratory. This course focuses on the basic duties, responsibilities, and expectations of those practicing funeral service. This includes notification of death, transfer of remains, conduct of the arrangement conference, prefunded/preplanned funerals, religious practices, fraternal funerals and military honors, shipment of remains, final disposition, aftercare, and regulatory and legislative compliance. Field trip may be required not to exceed \$50. (CSU)

MORT 202 C Funeral Service Administration I**4 Units**

Prerequisite(s): Completion of or concurrent enrollment in MORT 201 C
 Term hours: 54 lecture and 54 laboratory. This is the first of a two-course sequence that provides the Mortuary Science student with a broad overview of the basic principles of Funeral Service Management. It includes general management theory applied to funeral service practice with a focus on concepts, functions, and areas of management. In addition, trends in funeral service and disaster preparedness are explored. Small business management, its benefits and risks, and business formation, development, management, and marketing, human resources, accounting, trends, and the use of technology are also analyzed. \$10.00 Materials Fee - PAYABLE AT REGISTRATION.(CSU)

MORT 203 C Methods of Disposition**4 Units**

Prerequisite(s): Completion of or concurrent enrollment in MORT 201 C and MORT 202 C
 Term hours: 72 lecture. This course is designed to provide an overview of the history of funeral service practice with emphasis on the individuals, events, and forces that have influenced contemporary funeral principles and practices as well as the progression of associations and education within funeral service. It is intended to give the student an overview of the important points with regard to interment and cremation when working with those that choose to use a funeral service practitioner when arranging for the disposition of human or pet remains. This includes proper identification, legal authorization, use of cemeteries and crematories, required forms, containers, containers for cremated remains, cemetery and cremation merchandise, services in conjunction with disposition, arranging for disposition of the deceased, shipping remains, FTC Compliance, and the history of cremation. Field trips may be required not to exceed \$50. (CSU)

MORT 204 C Funeral Service Administration II**4 Units**

Prerequisite(s): Completion of MORT 201 C and MORT 202 C
 Term hours: 54 lecture and 54 laboratory. This is the second in a two-course sequence in Funeral Service Administration, and provides a vocationally oriented survey of funeral service management as it applies to funeral home operations, mortuary management, and financial decision-making, and covers general management technique and theory, and specific guidelines for practitioners operating a funeral service enterprise. It is designed to introduce the mortuary science student to the basic principles of management, merchandising, and effective managerial skills as they apply to the practice of the funeral profession; to the financial aspects of funeral business operation, concepts of financial management and the use of financial information in decision-making relative to cost analysis and control, pricing, inventory and in assessing the firm's performance; and credit policies and practices. Information presented covers financial statements and their analysis, worksheets, journalizing, receivables, payables, deferrals, and accruals. Inventory costing models, depreciation models, and funeral service payroll accounts are also included. (CSU)

MORT 214 C Funeral Service Pathology & Microbiology**3 Units**

Prerequisite(s): Admission to the Mortuary Science Program, and completion of BIOL 210 C or BIOL 231 C
 Term hours: 54 lecture. This introductory course, designed for the Mortuary Science student, surveys general microbiology and pathological concepts as they relate to the preparation, presentation, and sanitation of the human remains. Field trips may be required not to exceed \$50. (CSU)

MORT 215 C Embalming**5 Units**

Prerequisite(s): Completion of or concurrent enrollment in MORT 214 C and MORT 216 C

Term hours: 63 hours lecture and 81 hours laboratory. This course is designed to include basic orientation, history of embalming to present times, moral and sanitary considerations of embalming, methods of handling human remains, including those of a contagious or infectious nature, demonstration of the various methods of preparation and disinfection treatment of bodies contaminated by radiation. The emphasis is on the development of embalming techniques, exposure to dead human remains having various diseases, treatment of localized areas by supplemental methods of preservation and the application of embalming theories ranging from pre-embalming analysis to funeral home visitation room appearance, in a laboratory environment. Mortuary Science students will become familiar with the nature of chemicals utilized in the mortuary setting, as they develop a qualitative understanding of the chemical aspects of tissue decomposition and preservation. Embalming of protein and the effects relative to the blood, body pigments and tissue staining are a primary emphasis of the course. The laboratory component provides a culmination of theory, practical knowledge and applied skills necessary to enhance the dead human remains through the embalming and restoration process. Field Trips may be required not to exceed \$50. (CSU)

MORT 216 C Restorative Art**5 Units**

Prerequisite(s): Completion of MORT 214 C and completion of or concurrent enrollment in MORT 215 C with a grade of C or better
 Term hours: 54 lecture and 108 laboratory. A detailed study is made of each of the facial features and its relationship to a complete restoration, with emphasis upon major restorations and explains how all previous restorative art work can be used to complete each type of case. Color theory and cosmetology are also discussed. In the lab, the student has an opportunity to follow through with the modeling in clay and other modeling media of the features studied, both as a single feature and using plaster of Paris heads for reproduction; the student will perform feature modeling in wax on both plaster of Paris and latex heads. In addition, there is practical work in cosmetics, hair dressing, color pigments and preparation of death masks. \$170.00 Material Fee-Payable at Registration (CSU)

MORT 234 C Funeral Services Ethics and Laws I**4 Units**

Prerequisite(s): Completion of or concurrent enrollment in MORT 204 C
 Term hours: 72 lecture. This course, designed for the Mortuary Science student, surveys the American legal system, its development, and the major bodies of law as they relate to the legal environment in which the funeral business operates. The legal aspects of funeral service contracts, funeral service sales, and the use of commercial paper are also considered. This course will also look at the professional ethics used by funeral service providers as it relates to the legal aspects of the funeral home establishment. (CSU)

MORT 236 C Funeral Service Ethics and Laws II**4 Units**

Prerequisite(s): Completion of or concurrent enrollment in MORT 234 C
 Term hours: 72 lecture. This course is a continuation of MORT 234 C designed to expose the mortuary science student to sources of law, legal status of the dead human body, duty of burial, right to control funeral arrangements, final disposition, and liability for funeral expenses; torts involving the dead human body and the funeral director; wills, estate, and probate proceedings; cemeteries and related issues; state and federal laws and regulations pertaining to funeral service; as well as the legal aspects of being a licensed funeral director/mortician. (CSU)

MORT 248 C Funeral Service Thanatology**6 Units****Prerequisite(s):** Completion of MORT 201 C and MORT 203 C

Term hours: 72 lecture and 108 laboratory. This course is an introduction to thanatology and basic psychological terminology and theories, with an emphasis on the study of grief, bereavement, and mourning as well as the grief process, normal and abnormal, and the resolution of grief. The content provides the knowledge required of the funeral director to work effectively with families as a facilitating agent. The needs of the families served are studied in relation to the design and implementation of the funeral rite. Follow-up programs initiated by the funeral director are examined in detail as well as community support groups with whom the funeral director participates. Major emphasis is placed on the student identifying problem areas in the field, making a plan for intervention, and making appropriate referrals to community professionals, in addition to the study of concepts, techniques and procedures used by the funeral director in his/her role as a counselor. Field trips may be required not to exceed \$50. (CSU)

MORT 266 C Funeral Service Chemistry**2 Units****Prerequisite(s):** Completion of or concurrent enrollment in MORT 215 C

Term hours: 36 lecture. This course is designed to familiarize the Mortuary Science student with the nature of chemicals utilized in the mortuary setting, and to provide a qualitative understanding of the chemical aspects of tissue decomposition and preservation. Embalming of protein and the effects relative to the blood, body pigments and tissue staining are a primary emphasis of the course. Field trip may be required not to exceed \$50. (CSU)

MORT 282 C Embalming Externship**1 Unit****Prerequisite(s):** MORT 242 C with a grade of C or better

Term hours: 54 laboratory. This course is designed as a culmination of theory, practical knowledge and applied skills necessary to enhance the dead human remains through the embalming and restoration process. Field Trips may be required not to exceed \$50. (CSU)

MORT 288 C Funeral Service Capstone (formerly MORT 297 C)**4 Units****Prerequisite(s):** Completion of all required general education courses and graduation requirements for the Associate in Science Degree Mortuary Science

Term hours: 36 lecture and 108 laboratory. This course is designed to provide the mortuary science student with an overview of considerations relevant to the operation of the funeral home as a small business through the use of hands-on experience with appropriate mortuary science computer software, as well as the Federal Trade Commission Funeral Rule. \$110.00 materials fee - payable at registration (CSU)

MORT 402 C Funeral Service Standards of Practice**3 Units****Prerequisite(s):** Admission into baccalaureate degree pilot program and completion of MORT 297 C with a grade of C or better

Term hours: 54 lecture. This course is designed to provide an integrative approach for ongoing development of critical thinking skills, best practices evaluation, and application of skills based competencies. Students will be challenged to integrate their learning from any previous funeral service, mortuary science or related training and education, past and present work settings as well as life experiences. This process will be facilitated through the development of a professional portfolio, collaborative group learning, class discussions and the use of blended learning approaches. Recommended: This course should be taken as soon as possible upon acceptance into the Baccalaureate Degree Completion Program. Field trips will be required.

MORT 430 C Cemetery and Crematory Operations**3 Units****Prerequisite(s):** Admission to Baccalaureate degree pilot program and completion of or concurrent enrollment in MORT 402 C, and completion of MORT 297 C with a grade of C or better

Term hours: 54 lecture. This is an advanced course designed for the funeral service practitioner that surveys cemetery and crematory processes necessary with working with a funeral entity as well as examining the legal ramifications and notifications necessary when working with the bereaved families. Field trips will be required. Enrollment limited to those accepted into baccalaureate degree pilot program.

MORT 450 C Issues and Trends in Funeral Service**3 Units****Prerequisite(s):** Admission to Baccalaureate degree pilot program and completion of or concurrent enrollment in MORT 402 C with a grade of C or better

Term hours: 54 lecture. This course covers selected current issues of importance to the funeral service industry. Emphasis on issues impacting California funeral service practices. Field trips will be required. Enrollment limited to those accepted into baccalaureate degree pilot program.

MORT 482 C Clinical Embalming**4 Units****Prerequisite(s):** Embalmer license and Funeral Director license, or funeral service practitioner certification and completion of or concurrent enrollment in MORT 402 C with a grade of C or better

Term hours: 18 lecture and 162 laboratory. This course is designed as a culmination of theory, practical knowledge and applied skills necessary to enhance the dead human remains through the embalming and restoration process. Field Trips may be required not to exceed \$50. Enrollment limited to those accepted into baccalaureate degree pilot program.

MORT 492 C Funeral Service Externship**4 Units****Prerequisite(s):** Embalmer license and Funeral Director license, or funeral service practitioner certification and completion of or concurrent enrollment in MORT 402 C with a grade of C or better

Term hours: 18 lecture and 162 laboratory. This course is designed as a culmination of theory, practical knowledge and applied skills necessary to enhance memorialization of the dead human remains through the funeralization and disposition process. Field Trips may be required not to exceed \$50. Enrollment limited to those accepted into the Baccalaureate Degree Pilot Program.

MORT 495 C Mortuary Jurisprudence**3 Units****Prerequisite(s):** Acceptance into baccalaureate degree pilot program and completion of or concurrent enrollment in MORT 402 C with a grade of C or better

Term hours: 54 lecture. This course is a continuation of MORT 285 C and provides the funeral service practitioner with a review of sources of law, state and federal laws and regulations pertaining to funeral service; as well as the legal and ethical aspects of being a licensed cemetery manager and crematory manager. Field trips will be required. Enrollment limited to those accepted into the baccalaureate degree pilot program.

MORT 497 C Funeral Service Practicum I 2-12 Units

Prerequisite(s): Acceptance into baccalaureate degree pilot program upon completion of all required lower division courses and completion of MORT 297 C with a grade of C or better and completion of or concurrent enrolment in MORT 402 C, MORT 430 C, MORT 450 C and MORT 495 C with a grade of C or better

Term hours: 18 lecture and 54-594 laboratory. This course provides practical experience in embalming, funeral directing, cemetery operations, and crematory operations in a mortuary/funeral home, cemetery or crematory environment under the supervision of a licensed funeral service practitioner. It includes active participation in planning and directing of ten or more funerals. This course is one of two capstone courses of the major. It is to be taken only after all other MORT courses have been passed, except co-requisite(s), and is to be taken in the semester prior to graduation. Enrollment limited to those accepted into the baccalaureate degree pilot program.

MORT 498 C Funeral Service Practicum II 2-12 Units

Prerequisite(s): Completion of or concurrent enrollment in MORT 497 C Continuation of MORT 497 C. Term hours: 18 lecture and 54-594 laboratory. This course provides practical experience in embalming, funeral directing, cemetery operations, and crematory operations in a mortuary/funeral home, cemetery or crematory environment under the supervision of a licensed funeral service practitioner. It includes active participation in planning and directing of ten or more funerals. This course is one of two capstone courses of the major. It is to be taken only after all other MORT courses have been passed, except co-requisite(s), and is to be taken in the semester prior to graduation. Enrollment limited to those accepted into the baccalaureate degree pilot program.

Music (MUS)

MUS 101 C Music Fundamentals 3 Units

Term hours: 54 lecture. This course introduces the fundamentals of music including notation, rhythm, pitch, melody, harmony, and form. Students will study the historical and cultural development and significance of western and non-western musical styles and practices. It is open to all students. "Note: No UC credit if taken after MUS 103AC". (UC Credit limitation/CSU, AA GE, C-ID:MUS 110).

MUS 102 C Music Reading 3 Units

Term hours: 54 lecture. This course is designed to teach students how to read music from the printed page. Participants will learn basic skills, such as identifying note names and rhythm values, and will progress to the primary levels of sight-singing and developing the inner ear, a skill vital to every musician. (UC/CSU)

MUS 103 C Theory I 3 Units

Corequisite(s): MUS 104 C

Advisory: MUSA 131 C and MUS 101 C or Student should have a practical understanding of music fundamentals, and basic keyboard skills Formerly MUS 103AC Term hours: 54 lecture. This is the first course in music theory for music majors. This course, through guided composition and analysis, incorporates the following concepts: rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; diatonic chords, basic cadential formulas and phrase structure; dominant seventh; figured bass symbols; and non-harmonic tones. Development of skills in handwritten notation is expected. (UC/CSU, C-ID:MUS 120)

MUS 104 C Musicianship I 1 Unit

Corequisite(s): MUS 103 C with a grade of C or better

Advisory: MUS 101 C and MUSA 131 C or student should have a practical understanding of music fundamentals, and basic keyboard skills Term hours: 18 lecture and 18 laboratory. This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory I through ear training, sight singing, analysis, and dictation. (UC/CSU/C-ID: MUS 125)

MUS 105 C Theory II 3 Units

Prerequisite(s): MUS 103 C with a grade of C or better

Corequisite(s): MUS 106 C

Advisory: MUSA 132 C

Formerly MUS 103BC. Term hours: 54 Lecture. This course incorporates the concepts from Music Theory I. In addition, through guided composition and analysis, the course will include: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary/applied chords and modulation. (UC/CSU, C-ID:MUS 130)

MUS 106 C Musicianship II 1 Unit

Prerequisite(s): MUS 104 C with a grade of C or better

Corequisite(s): MUS 105 C with a grade of C or better

Advisory: MUS 132 C Term hours: 18 lecture and 18 laboratory

This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory II through ear training, sight singing, analysis, and dictation. (UC/CSU/C-ID: MUS 135)

MUS 108 C Introduction to Music Technology 3 Units

Term Hours: 36 lecture and 72 laboratory. This course covers the following basic aspects of music technology: computer skills, software-based sequencing, synthesis, MIDI, sampling, notation, principles of sound, microphones, introduction to digital audio, signal processing, mixers and mixing, recording principles, cables and interconnects, and audio in live performance. (CSU)

MUS 111 C The Music Business 3 Units

Term hours: 54 lecture. From copyrights to contracts, this course covers the essential elements of the music industry for performers, songwriters, producers, and managers. Topics include intellectual property law (copyrights), management contracts, publishing companies, performance rights societies, licensing procedures, record manufacturing and distribution, and an overall look at the dynamics of the music and entertainment industries. Guest speakers will appear according to availability. (CSU)

MUS 113 C Jazz History 3 Units

Term hours: 54 lecture. This is a survey course which traces the history and development of jazz music from its inception to the present day. The music, both live and from recordings, is studied from a cultural, musical, historical, and sociological standpoint. Concert attendance is required. Open to all students. (UC/CSU, AA GE, CalGETC)

MUS 114 C History of Hip Hop - Rap 3 Units

Term hours: 54 lecture. This survey course traces hip hop rap music from its inception to the present day. The music, both live and from recording, is studied from a cultural, musical, historical and sociological standpoint. Concert attendance is required. (UC/CSU, AA GE, CalGETC)

MUS 116 C Music Appreciation 3 Units

Term hours: 54 lecture. A survey of music literature from the Middle Ages to the present. Students will gain an understanding of music as an art form through listening and discussion of choral, orchestral, solo, opera, chamber and jazz works. Concert attendance is required. Open to all students, but designed for the non-music major. (UC/CSU, AA GE, CalGETC, C-ID:MUS 100)

MUS 117 C American Popular Music**3 Units**

Term hours: 54 lecture. A historical and musical study of American popular music from its origin to the present. The primary focus will be on musical styles with secondary emphasis on sociological, political, and economic conditions which influenced the music of America. Concert attendance required. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC)

MUS 118 C Introduction to Opera**3 Units**

Term hours: 54 lecture. This course is an introduction to the standard operatic repertoire in terms of development of musical style, dramatic structure, and performance tradition. Emphasis is on elements of the art of operatic singing, voice classification, vocal range and technique, and dramatic values. Opportunities for attendance at operatic performances will be provided. Cost of music concert will not exceed \$30.00. Duplicate credit not granted for MUS 118HC. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE, CalGETC)

MUS 118HC Honors Introduction to Opera**3 Units**

Term hours: 54 lecture. This honors course offers an Introduction to Opera course enhanced for honors students in a seminar type setting. Students will survey the standard operatic repertoire in terms of development of musical style, dramatic structure and performance tradition with emphasis on the appreciation of the art of operatic singing, voice classification, vocal technique and dramatic values. Opportunities for field trips and seminars with performers and directors are included. Cost of music concert will not exceed \$30.00. Duplicate credit not granted for MUS 118 C. (UC Credit Limitation/CSU, AA GE, CalGETC)

MUS 119 C History of Rock Music**3 Units**

Term hours: 54 lecture From its earliest beginnings to the present day, this course surveys the inception, evolution, and development of Rock music in America and abroad. In addition to in-depth studies of Rock music and the artists who created it, students will examine the sociological, political, and economic conditions which influence its development. (UC/CSU, AA GE, CalGETC)

MUS 120 C Survey of Music History**3 Units**

Term hours: 54 lecture. This course is designed for music majors or non-majors with some musical background. Students will study Western stylistical trends, major forms and theory from antiquity to the present. Recordings, video tapes, and live musical performances are used to emphasize material covered in class discussions. (UC/CSU, AA GE, CalGETC)

MUS 124 C Recording Studio I**3 Units**

Advisory: MUS 108 C

Term hours: 36 lecture and 54 laboratory. This course covers the fundamental concepts in audio recording technology. Topics include studio business practices, microphones, mixers, signal processors, the sound field, monitors, recording and editing devices, and synchronization. (CSU)

MUS 127 C Music in Film**3 Units**

Term Hours: 54 lecture. The class traces the history and development of film music through reading, lecture, film viewing, and critical analysis of seminal works. The class studies the process of film scoring and how music and its relationship to film have changed over the last century. Class includes discussion and evaluation of different compositional styles and learning to listen critically to film scores while viewing movies. Emphasis is placed on the theories and aesthetics that govern the use of music in film throughout the history of the artform. Western and non-western film traditions are included as well as works by composers with a variety of gender identities. (UC/CSU, AA GE)

MUS 131 C Electric Bass**1 Unit**

Term hours: 18 lecture and 18 laboratory. This course uses group instruction to teach general techniques for the electric bass guitar. Blues, R&B, rock, pop and jazz styles are emphasized. (UC/CSU)

MUS 143 C Beginning Strings**1 Unit**

Term hours: 18 lecture and 18 laboratory. This course teaches the fundamental of string playing for anyone interested in learning to play the violin, viola, violoncello, or string bass. Students must supply their own instruments. Open to all students, no previous experience necessary. (UC/CSU)

MUS 146 C Woodwind Class**1 Unit**

Term hours: 18 lecture and 18 laboratory. This is a course for students who wish to play flute, oboe, clarinet, bassoon, or saxophone. Students must supply their own instruments. Open to all students, no previous experience necessary. (UC/CSU)

MUS 152 C Percussion Class**1 Unit**

Term hours: 18 lecture and 18 laboratory. This is a course for students who wish to play drums, timpani, mallet instruments, and other percussion instruments. The class will emphasize basic music reading and rhythmical accuracy. Open to all students, no previous experience necessary. Pass/No Pass/Letter Grade Option. (UC/CSU)

MUS 156 C Jazz Improvisation - Instrumental**1 Unit**

Prerequisite(s): Audition to evaluate and assess the student's qualifications (proficiency) is required for enrollment

Term hours: 54 laboratory. This course provides intermediate level instrumental students with the tools and techniques for jazz improvisation. Analysis of harmonic and melodic materials, extensive listening, and performance exercises will assist the student in his/her development as an improviser. (UC/CSU)

MUS 157 C Jazz Improvisation - Vocal**1 Unit**

Term hours: 54 laboratory. This course offers vocal students training in jazz song-styling techniques focusing on swing, ballad, Latin, blues, and contemporary styles. Topics include rhythmic and melodic improvisation, microphone technique, and scat singing. (UC/CSU)

MUS 175 C Swing Band**1 Unit**

Prerequisite(s): Audition

Term hours: 72 laboratory. This course will involve rehearsal and concert performance of swing music in the style of the "Big Band Era" from the 1930's to 1950's. May be taken for credit 4 times. (UC/CSU, C-ID: MUS 180)

MUS 176 C Popular Songwriting**3 Units**

Advisory: MUS 101 C or MUS 103 C

Term hours: 54 lecture. This is an introductory to intermediate course in popular songwriting. Students will learn keyboard skills and notation. They will analyze melody, harmony, song form, rhythm, and lyrics as they apply to popular music. Emphasis will be placed on original compositions and composition by well-known songwriters and recording artists. (UC/CSU)

MUS 177 C Songwriting Workshop**3 Units**

Prerequisite(s): MUS 176 C with a grade of C or better

Term hours: 54 lecture. This course is an intermediate to advanced workshop in popular songwriting. Students will analyze melody, harmony, song form, rhythm, and lyrics as they apply to popular songs. Emphasis will be placed on original compositions, while studying compositions by well-known songwriters and recording artists. (CSU)

MUS 203 C Theory III**3 Units****Prerequisite(s):** MUS 105 C with a grade of C or better**Corequisite(s):** MUS 204 C

Term hours: 48-54 lecture. This course incorporates the concepts from Music Theory II. In addition, through writing and analysis, the course will include: introduction to chromatic harmony; secondary/applied chords; modulation; borrowed chords; introduction to Neapolitan and augmented-sixth chords. (UC/CSU/C-ID: MUS 140)

MUS 204 C Musicianship III**1 Unit****Prerequisite(s):** MUS 106 C with a grade of C or better**Corequisite(s):** MUS 203 C

Term hours: 18 lecture and 18 laboratory. This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory III through ear training, sight singing, analysis, and dictation. (UC/CSU/C-ID: MUS 145)

MUS 205 C Theory IV**3 Units****Prerequisite(s):** MUS 203 C with a grade of C or better**Corequisite(s):** MUS 206 C

Term hours: 54 lecture. This course incorporates the concepts from Music Theory III. In addition, through writing and analysis, the course will include: post-Romantic techniques such as borrowed chords and modal mixture, chromatic mediants, Neapolitan and augmented-sixth chords, 9th, 11th, and 13th chords, altered chords and dominants; and 20th century techniques such as: Impressionism, tone rows, set theory, pandiatonicism and polytonalism, meter and rhythm. (UC/CSU/C-ID: MUS 150)

MUS 206 C Musicianship IV**1 Unit****Prerequisite(s):** MUS 204 C with a grade of C or better**Corequisite(s):** MUS 205 C

Term hours: 18 lecture and 18 laboratory. This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory IV through ear training, sight singing, analysis, and dictation. (UC/CSU/C-ID: MUS 155)

MUS 212 C Music Promotion Distribution**3 Units**

Term hours: 54 lecture. In this course, music entrepreneurs will learn business procedures to form their own company, emphasizing strategies for the sale and promotion of music. This course covers topics such as the music marketing environment, hands-on marketing techniques, online sales and promotion, and the effects of technology in music publishing. (CSU)

MUS 222 C Audio Production for Film I**3 Units****Advisory:** MUS 108 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course explores audio recording, editing and mixing using digital audio workstations. Topics include an introduction to the process of film production, field recording, sound effects and sound design, and synchronizing audio to video. (CSU)

MUS 223 C Audio Production for Film II**3 Units****Prerequisite(s):** MUS 222 with a grade of C or better

Term Hours: 36 lecture and 72 laboratory. This course explores audio recording, editing and mixing using digital audio workstations. Topics include ADR, Foley, music editing, and final delivery. (CSU)

MUS 225 C Applied Music**1 Unit****Prerequisite(s):** Audition and concurrent enrollment in a performing ensemble

Term hours: 18 lecture and 9 laboratory. Private instruction included) For the student seeking individual instruction on piano, voice, guitar, or any standard band or orchestra instrument. A performance at Faculty Juries is required each semester. Vocal and instrumental students should concurrently enroll in a choir or band class, pianists and guitarists should consult with faculty for an appropriate concurrent course. May be taken for credit 4 times. (UC/CSU, C-ID: MUS 160)

MUS 229 C Vocal Repertoire**1 Unit****Prerequisite(s):** Audition

Term hours: 18 lecture and 18 laboratory. This class provides a workshop environment for the study of vocal repertoire at the intermediate-to-advanced level. Repertoire will be drawn from traditional styles such as art songs, lieder, arias, and oratorios, as well as jazz, musical theater, and contemporary music. Students will focus on the development of their lyric diction and performance skills while being exposed to a wide variety of vocal literature. (CSU)

MUS 235 C Commercial Guitar and Bass**1 Unit**

Term hours: 18 lecture and 18 laboratory. This course emphasizes blues, jazz, and rock techniques for intermediate-to-advanced guitarists and bassists. Topics include scales in all positions, chords, arpeggios, accompaniment styles, reading chord charts and sheet music, and practical theory. Students will obtain vocational "real world" experience to prepare them for careers as a professional guitarist and/or bassist. (UC/CSU)

MUS 238 C Popular Piano**1 Unit****Prerequisite(s):** MUS 131 C with a grade of C or better or by audition

Term hours: 18 lecture and 18 laboratory. This course deals with the study of basic chords to allow keyboard freedom in improvising and song arranging with the use of melody and accompaniment to develop a creative style of playing, essential in popular music. It is designed for non-music majors as well as music majors. (UC/CSU)

MUS 260 C Classical Guitar Ensemble**1 Unit****Prerequisite(s):** Audition

Term hours: 18 lecture and 18 laboratory. This course is dedicated to the rehearsal and performance of standard and contemporary duets, trios, quartets, and large ensemble pieces for the classical guitar. The ensemble participates in a department recital each semester. May be taken for credit 4 times. (UC/CSU)

MUS 261 C String Ensemble**1 Unit****Prerequisite(s):** Audition

Term hours: 18 lecture and 18 laboratory. This course is dedicated to the rehearsal and performance of standard and contemporary duets, trios, quartets, and large ensemble pieces for the violin, viola, cello and contrabass. The ensemble participates in a department recital each semester. May be taken for credit 4 times. (UC/CSU)

MUS 273 C Concert Band**1 Unit****Prerequisite(s):** Audition Term hours: 54 laboratory

The student will be involved in the rehearsal and performance of standard wind and band literature. Performances required in the course of the semester may include concerts and tours. May be taken for credit 4 times. (UC/CSU, C-ID: MUS 180)

MUS 276 C Jazz Band**1 Unit****Prerequisite(s):** Audition

Term hours: 72 laboratory. The lab hours for this course include sectional rehearsals, recording, program production and/or concerts. This course studies the rehearsal and performance of jazz band literature. Sight reading is emphasized as a musical concept. The band performs in concert each semester, and student compositions and arrangements are encouraged. May be taken for credit 4 times. (UC/CSU/C-ID: MUS 180)

MUS 280 C Jazz and Musical Theater Choir**1 Unit****Prerequisite(s):** Audition

Term hours: 54 hours in sectional rehearsals, recording, program production and/or concerts. This course is a vocal ensemble for beginning to advanced singers that focuses on repertoire from jazz, musical theater and popular styles. The ensemble will perform in concerts and may also participate in music festivals appropriate to this type of vocal group. Open to both music majors and non-majors. May be taken for credit 4 times. (UC/CSU, AA GE/C-ID)

MUS 281 C Concert Choir**1 Unit****Prerequisite(s):** Audition

Term hours: 54 hours in sectional rehearsals, recording, program production and/or concerts. The students in this course perform an extensive repertoire ranging from Renaissance, Classical, and Baroque selections to contemporary Spirituals, Jazz, and Musical Theater. The choir presents four major concerts each season and participates in regional choral festivals. Open to all singers from the college and neighboring communities. Prospective singers should call for an audition appointment. May be taken for credit 4 times. (UC/CSU)

MUS 282 C Cypress Masterworks Chorale**1 Unit****Prerequisite(s):** Audition Term hours: 54 laboratory in sectional rehearsals, recording, program production and/or concerts

The Masterworks Chorale presents four major concerts each year with emphasis on masterworks for choir and orchestra. The Chorale participates in regional music festivals, performs at numerous locations throughout the Los Angeles basin, and tours internationally. Open to students and members of the community with prior singing experience. May be taken for credit 4 times. (UC/CSU, AA GE, C-ID: MUS 180)

MUS 283 C Cypress Singers**1 Unit****Prerequisite(s):** Audition Term hours: 54 laboratory in sectional rehearsals, recording, program production and/or concerts

The Cypress Singers is a group of 18 sopranos and altos which rehearse and perform a variety of repertoire ranging from Renaissance madrigals to contemporary music. The Singers perform in concerts and festivals each year as scheduling permits. Open to both music majors and non-majors by audition. May be taken for credit 4 times. (UC/CSU, C-ID: MUS 180)

MUS 285 C Chamber Singers**1 Unit****Prerequisite(s):** Audition Term hours: 54 laboratory in sectional rehearsals, recording, program production and/or concerts

The Chamber Singers is a select group of 24 mixed voices performing a variety of classical repertoire ranging from Renaissance madrigals to contemporary literature. The ensemble performs four major concerts per year, participates in regional music festivals, and performs at numerous locations throughout the Los Angeles basin. Open to both students and members of the community with extensive singing experience. May be taken for credit 4 times. (UC/CSU, C-ID: MUS 180)

MUS 287 C Vocal Jazz Ensemble**1 Unit****Prerequisite(s):** Audition

Term hours: 54 laboratory in sectional rehearsals, recording program production and/or concerts. This course focuses on the rehearsal and performance of traditional and contemporary vocal jazz repertoire accompanied by a small instrumental ensemble. Some emphasis will be placed upon vocal improvisation in the jazz style. The ensemble will perform in concerts and may also participate in jazz and choral music festivals. Student compositions and arrangements are encouraged. May be taken for credit 4 times. (UC/CSU/C-ID: MUS 180)

MUS 295 C Music Internship**1-4 Units**

Term hours: 18 lecture and 54-216 work experience education. This course is designed to give the student credit for work experience at a related occupational worksite, while being concurrently enrolled in a vocational major. For each unit of credit, a minimum of 54 worksite internship hours is required. The internship allows students to apply knowledge gained in college courses to an actual work setting, sample career choices and improve job-readiness skills. Supplemental reading and course assignments required. May be taken for credit 4 times. Pass/No Pass/Letter Grade Option. (CSU, C-ID: MUS 180).

MUS 299 C Music - Independent Study**1-2 Units****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: 54-108 Laboratory. This course is designed for students who wish to increase their knowledge and experience in performance or applied areas. Unit credit may range from 1 to 2 units in any given semester. Consult the class schedule to verify credit for a particular term. May be taken for credit 4 times. (CSU)

Music-Applied (MUSA)

MUSA 104 C Introduction to Concert Hour**1 Unit**

Formerly MUS 122 C. Term hours: 18 lecture. This course is designed for the first semester music major. Providing the student with opportunities to expand their knowledge of music performance and specific composers and musical genres. Students will learn from guest artists and guest speakers. Selected students will be given the opportunity to perform during the term. Outside class activities include attendance at Cypress College Music Department concerts and the preparation of concert reports. This course is required of all music majors but open to all students. (CSU)

MUSA 105 C Beginning Concert Hour**1 Unit**

MUSA 104 C with a grade of C or better. Term hours: 18 lecture. This course is designed for the second semester music major. Providing the student with opportunities to expand their knowledge of music performance and specific composers and musical genres, and learn from guest artists and guest speakers. Selected students will be given the opportunity to perform during the term. Outside class activities include attendance at Music Department concerts and the preparation of concert reports. (CSU)

MUSA 106 C Intermediate Concert Hour**1 Unit****Prerequisite(s):** MUSA 105 C with a grade of C or better

Term hours: 18 lecture. This course is designed for the third semester music major. Providing the student with opportunities to expand their knowledge of music performance and specific composers and musical genres, and learn from guest artists and guest speakers. Selected students will be given the opportunity to perform during the term. Outside class activities include attendance at Music Department concerts and the preparation of concert reports. (CSU)

MUSA 107 C Advanced Concert Hour**1 Unit****Prerequisite(s):** MUSA 106 C with a grade of C or better

Term hours: 18 lecture. This course is designed for the fourth semester music major, providing the student with opportunities to expand their knowledge of music performance and specific composers and musical genres, and learn from guest artists and guest speakers. Selected students will be given the opportunity to perform during the term. Outside class activities include attendance at Cypress College concerts and the preparation of concert reports. (CSU)

MUSA 111 C Beginning Voice**1 Unit**

(Previously MUS 126 C). Term hours: 18 lecture and 18 laboratory. This course is an entry-level class for singers who wish to develop skills in the fundamentals of singing. Providing a study of basic vocal techniques, the course explores tone production, breath control, pronunciation, and choice of repertoire from a variety of musical styles and genres. Required out of class activities include one hour of practice per week and participation in student concerts. (UC/CSU)

MUSA 112 C Intermediate Voice**1 Unit**

Prerequisite(s): MUSA 111 C or Audition

Term hours: 18 lecture and 18 laboratory. This course, provides a study of vocal repertoire from a variety of styles and genres, both historical and modern, in a classroom setting. Individual student progress is emphasized in tone production, breath control pronunciation, artistic interpretation, stage presence, and both acoustic and amplified performance practice. This course is geared towards the voice major, or singers who have completed Beginning Voice and wish to pursue continued vocal development. Out of class activities include one hour of practice per week and preparation for student concerts. (CSU) (UC) (Degree Credit).

MUSA 113 C Pop-Commercial Music Theory I**3 Units**

Prerequisite(s): MUS 101 C with a grade of C or better

Term hours: 54 lecture. This commercial music theory class provides a beginning study of harmonic material as used in pop-commercial music. It includes the study of chord progressions, melodies, and various pop-commercial musical forms. (CSU/UC)

MUSA 114 C Pop-Commercial Musicianship I**1 Unit**

Prerequisite(s): MUS 101 C with a grade of C or better

Term hours: 18 lecture and 18 laboratory. This course is designed to develop beginning-level aural skills and playing abilities in the style of pop-commercial music. The course includes performance, transcription, notation and analysis of pop-commercial music. (CSU/UC)

MUSA 116 C Pop-Commercial Piano Style and Technique I**1 Unit**

Advisory: MUSA 131 C

Term hours: 18 lecture and 18 laboratory. This course is designed to give piano students beginning training in pop-commercial styling techniques, piano improvisation, notation, and piano studio recording techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 120 C Beginning Guitar**1 Unit**

Term hours: 18 lecture and 18 laboratory. This course focuses on the fundamentals of playing the guitar: technique, note reading, scales, chords, simple picking and strumming patterns. The repertoire includes a wide variety of musical styles, from classical to rock. (CSU/UC) Degree credit.

MUSA 121 C Intermediate Guitar**1 Unit**

Prerequisite(s): MUSA 120 C with a grade of C or better

Formerly MUS 231 C Designed for more advanced non-guitar major or the guitar major who is not yet qualified for Classical or Jazz Guitar, this course continues the study of guitar study from MUSA 120 C with emphasis on more advanced literature and techniques. Emphasis is placed on individual progress in execution and interpretation. (UC/CSU)

MUSA 125 C Pop-Commercial Drumset Style and Technique I**1 Unit**

Advisory: MUS 152 C or Audition

Term hours: 18 lecture and 18 laboratory. This course is designed to give students beginning-level drum set training in pop-commercial styling techniques, improvisation, notation, and drum studio recording techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 130 C Introduction to Piano for Non-Majors**1 Unit**

Term hours: 18 lecture and 18 laboratory. This course is designed for non-music majors whose piano skills are non-existent or very limited. This course provides an introduction to the fundamentals of piano playing: posture, keyboard topography, note reading, 5-finger-pattern exercises, sight-reading, and piano repertoires. This course is open to all students. Pass/No Pass/Letter Grade Option. (UC/CSU).

MUSA 131 C Keyboard Skills I**1 Unit**

Prerequisite(s): Audition

Advisory: Student should be able to demonstrate appropriate piano proficiency for this course

Term hours: 18 lecture and 18 laboratory. This course is designed for music majors preparing for a university keyboard proficiency exam, this course is the entry-level keyboard musicianship class with emphasis on basic keyboard harmonization, hand independence, transposition, sight-reading, rhythm accuracy and elementary piano repertoires. (UC/CSU)

MUSA 132 C Keyboard Skills II**1 Unit**

Prerequisite(s): MUSA 131 C with a grade of C or better or successful audition

Term hours: 18 lecture and 18 laboratory. This course is a continuation of MUSA 131 C for music majors. It includes emphasis on basic keyboard harmonization using primary chord inversions, technique, transposition, accompaniment patterns, rhythm accuracy and late elementary/early intermediate piano repertoires. Pass/No Pass/Letter Grade Option. (UC/CSU)

MUSA 140 C Music Notation Software I**3 Units**

Advisory: MUS 104 C

Term hours: 36 lecture and 54 laboratory. This is the first level course that teaches students how to produce professional-quality vocal and instrumental scores as well as lead sheets using music notation software. This course is open to all music majors, music teachers, or performers. (CSU)

MUSA 141 C Electronic Music Production I**3 Units**

Prerequisite(s): MUS 108 C with a grade of "C" or better

Term hours: 36 lecture and 72 laboratory. This course covers beginning electronic music theory, technique, and composition. (CSU)

MUSA 143 C Recording Studio Tech I**3 Units**

Prerequisite(s): MUS 108 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This is a beginning level course that focuses on studio recording and digital audio workstation techniques. (CSU).

MUSA 145 C Audio Production for Gaming I**3 Units**

Prerequisite(s): MUS 108 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This beginning course focuses on the competition, arranging, and editing of audio for video games. (CSU)

MUSA 147 C Pop-Commercial Vocal Style and Technique I**1 Unit**

Advisory: MUSA 112 C

Term hours: 18 lecture and 18 laboratory. This course is designed to give vocal students beginning level training in pop-commercial styling techniques, vocal improvisation, notation, and vocal recording studio techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 152 C Pop-Commercial Brass Style and Technique I 1 Unit**Advisory:** MUS 101 C

Term hours: 18 lecture and 18 laboratory. This course is designed to give brass students beginning-level training in pop-commercial styling techniques, brass improvisation, basic lead sheet writing, and brass studio recording techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 155 C Pop-Commercial Music Ensemble 1 Unit**Prerequisite(s):** Audition

Term hours: 9 lecture and 49.5 laboratory. Students will rehearse, produce, record and perform commercial music ensemble repertoire; performances are required of all students. Course may be taken four times for credit. (CSU)

MUSA 210 C Advanced Voice 1 Unit**Prerequisite(s):** Completion of or concurrent enrollment in MUSA 112 C with a grade of C or better or Audition

Term hours: 18 lecture and 18 laboratory. This course offers individual instruction in vocal techniques and interpretation of vocal literature from both historical and modern styles in a classroom setting. Emphases are placed on developing the student's body of repertoire, vocal technique and live public performance. Participation in student concerts plus one hour of practice per week is required. Designed for music majors but open to all students. Pass/No Pass/Letter Grade Option. (UC/CSU)

MUSA 213 C Pop-Commercial Music Theory II 3 Units**Prerequisite(s):** MUSA 113 C with a grade of C or better

Term hours: 54 lecture. This commercial music theory course provides an intermediate study of harmonic material as used in pop-commercial music. It includes the study of chord progressions, melodies, and various pop-commercial musical forms. (CSU/UC)

MUSA 214 C Pop-Commercial Musicianship II 1 Unit**Prerequisite(s):** MUSA 114 C with a grade of C or better

Term hours: 18 lecture and 18 laboratory. This course is designed to develop intermediate-level aural skills and playing abilities in the style of pop-commercial music. The course includes performance, transcription, notation and analysis of pop-commercial music. (CSU/UC)

MUSA 216 C Pop-Commercial Piano Style and Technique II 1 Unit**Prerequisite(s):** MUSA 116 C with a grade of C or better

Term hours: 18 lecture and 18 laboratory. This course is designed to give piano students intermediate-level training in pop-commercial styling techniques, piano improvisation, notation, and piano studio recording techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 221 C Classical Guitar 1 Unit

(Formerly MUS 232 C) Term hours: 18 lecture and 18 laboratory. Designed for music majors, this advanced class provides intensive individual instruction in guitar techniques and interpretation of solo guitar literature. The course places emphasis on building repertoire and performing music from the Classical Music to Contemporary periods. (UC/CSU)

MUSA 222 C Pop-Commercial Guitar Style and Technique I 1 Unit**Advisory:** MUSA 121 C

Term hours: 18 lecture and 18 laboratory. This course is designed to give guitar students beginning training in pop-commercial styling techniques, improvisation, notation, and studio recording techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 223 C Pop-Commercial Guitar Style and Technique II 1 Unit**Prerequisite(s):** MUSA 222 C

Term hours: 18 lecture and 18 laboratory. This course is designed to give guitar students intermediate training in pop-commercial styling techniques, improvisation, notation, and studio recording techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 225 C Pop-Commercial Drumset Style and Technique II 1 Unit**Prerequisite(s):** MUSA 125 C with a grade of C or better

Term hours: 18 lecture and 18 laboratory. This course is designed to give drum students intermediate training in pop-commercial styling techniques, improvisation, notation, and drum studio recording techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 231 C Keyboard Skills III 1 Unit**Prerequisite(s):** MUSA 132 C with a grade of C or better or Audition

Term hours: 18 lecture and 18 laboratory. This course follows MUSA 132 C in keyboard musicianship sequence. Individualized instruction will focus on keyboard harmony using primary and secondary chords, introduction to basic score reading, transposing to concert pitch, rhythm, and early intermediate/intermediate piano repertoires including classical, blues, national and folk tunes. (UC/CSU)

MUSA 232 C Keyboard Skills IV 1 Unit**Prerequisite(s):** MUSA 231 C with a grade of C or better or Audition

Term hours: 18 lecture and 18 laboratory. This course is an advanced level in keyboard musicianship sequence. Rigorous individualized instruction will focus on keyboard harmony using secondary dominant chords, 3-voice choral score reading, specialized rhythm, intermediate to late intermediate standard repertoires, memorization, and self-critiquing skills. Pass/No Pass/Letter Grade Option. (CSU)

MUSA 241 C Electronic Music Production II 3 Units**Prerequisite(s):** MUSA 141 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course covers intermediate electronic music theory, technique, and composition. (CSU)

MUSA 243 C Recording Studio Techniques II 3 Units**Prerequisite(s):** MUSA 143 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This is an intermediate level course that focuses on studio recording and digital audio workstation techniques. (CSU)

MUSA 245 C Audio Production for Gaming II 3 Units**Prerequisite(s):** MUSA 145 C with a grade of C or better

Term hours: 35 lecture and 54 laboratory. This intermediate course focuses on the composition, arranging, and editing of audio for video games. (CSU)

MUSA 247 C Pop-Commercial Vocal Style and Technique II 1 Unit**Prerequisite(s):** MUSA 147 C with a grade of C or better

Term hours: 18 lecture and 18 laboratory. This course is designed to give vocal students intermediate training in pop-commercial styling techniques, vocal improvisation, basic lead sheet writing, and recording studio techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

MUSA 252 C Pop-Commercial Brass Style and Technique II 1 Unit**Prerequisite(s):** MUSA 152 C with a grade of C or better

Term hours: 18 lecture and 18 laboratory. This course is designed to give brass students intermediate-level training in pop-commercial brass styling techniques, improvisation, basic lead sheet writing, and studio recording techniques. Students are required to spend no less than 30 minutes per week in the practice rooms and/or the commercial music lab/library. (CSU)

Nursing (NURS)

NURS 081 C Selected Topics in Nursing I

3 Units

Prerequisite(s): NURS 192 C with a grade of C or better

Term hours: 27 lecture and 81 laboratory. This course is designed to meet the first semester nursing students' need for review and remediation of fundamental nursing care and an introduction to medical surgical and gerontological nursing. Pass/No Pass only.

NURS 082 C Selected Topics in Nursing II

3.5 Units

Prerequisite(s): NURS 196 C with a grade of C or better

Term hours: 31.5 lecture and 94.5 laboratory. This course is designed to meet the nursing students' need for review and remediation of medical surgical nursing and an introduction to maternal newborn nursing. Pass/No Pass only.

NURS 083 C Selected Topics in Nursing III

3.5 Units

Prerequisite(s): NURS 292 C with a grade of C or better

Term hours: 31.5 lecture and 94.5 laboratory. This course is designed to meet the nursing students' need to review and remediation of intermediate medical surgical nursing, mental health nursing, and geriatric nursing. Pass/No Pass only.

NURS 090 C Nursing Transitions

3.5 Units

This course is designated for the experienced (no less than six months documented work experience in their licensed capacity) LVN/LPT who is preparing to enter the Registered Nursing career ladder program. The course will enhance theoretical and technical nursing skills in areas such as communication, ethics, fluid and electrolytes, and pharmacology. Students will develop in-depth skill in utilization of the nursing process. Major emphasis is placed on assessment of patient's biopsychosocial needs and related interventions. This course promotes Quality & Safety Education for Nurses (QSEN) competencies that incorporate patient-centered care, safety teamwork, collaboration, evidence based practice, quality improvement and informatics. The course emphasizes specific knowledge and skills not included in LVN/PT curricula. \$19.00 Laboratory Fee-Payable at Registration.

NURS 091 C Strategies-Success in Nursing

0.5 Units

Term hours: 9 lecture. This course is designed to assist the pre-nursing and the nursing student to understand the nursing process and apply quality and safety standards within a spirit of inquiry firmly based in the science and art of nursing. This course will prepare a student to provide safe, patient centered care within an environment of interdisciplinary teamwork and collaboration. This course will assist the student to assimilate knowledge and apply it in the clinical practice setting. This course will provide student with behavioral and problem solving tools to develop strategies for success in nursing. Pass/No Pass or Letter Grade option.

NURS 099 C Nursing Independent Study

0.5-2 Units

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 9-36 depending on units attempted. This course is designed for capable students enrolled in the Registered Nursing program or options of the program who wish to increase their knowledge and experience in applied areas of patient centered care. Students will participate in independent study on assigned areas under staff supervision. Variable Unit Class. May be taken for credit 4 times. Pass/No Pass/Letter Grade Option.

NURS 103 C Basic Health Assessment

0.5 Units

Prerequisite(s): NURS 192 C with a grade of C or better; Licensed

Psychiatric Technician; Licensed Vocational Nurse; Registered Nurse

Term hours: 9 lecture. This elective course provides specialized nursing knowledge in assessing basic health status in the non-pregnant adult. Students will recall and build upon the curricular concepts learned in preceding nursing courses of patient centered care, safety, oxygenation, regulation and movement using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics, to apply the nursing process and utilize techniques for performing both history and physical assessments. Pass/No Pass/Letter Grade Option. (CSU)

NURS 104 C Introduction to ECG Interpretation

0.5 Units

Prerequisite(s): NURS 191 C and NURS 193 C with a grade of C or better;

Licensed Vocational Nurse; Registered Nurse or permission of instructor

Term hours: 9 lecture. This elective course provides specialized nursing knowledge in providing patient centered care to patients experiencing oxygenation disorders; cardiac dysrhythmias, using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics. Introductory course for nurses working with cardiac monitored patients. Cardiac dysrhythmias include sinus, atrial, AV heart blocks, junctional, and ventricular dysrhythmias. Initial patient monitoring, lead placement, techniques and equipment utilized to measure and identify cardiac arrhythmias are addressed in introductory terms. Basic therapies based on current ACLS standards and nursing implications for these dysrhythmias are discussed. Pass/No Pass/Letter Grade Option. (CSU)

NURS 190 C Introduction to Nursing Concepts

2 Units

Term hours: 36 lecture. This course introduces the health science student to the theoretical basis of nursing and patient centered care. Emphasis is placed on psychosocial concepts inherent to the development of professionalism, teamwork and collaboration, evidence based practice, quality improvement and informatics. Professional nursing roles and interaction skills are applied to the health care setting. The effects of regulation of stress and developmental patterns on individual health care needs are introduced. Major social and cultural issues in relation to health care are discussed. Teaching/learning strategies unique to health care, nursing, and clinical instruction are explored. (CSU)

NURS 191 C Pharmacology in Nursing I

1 Unit

Prerequisite(s): Acceptance in the Nursing Program, LVN or PT

Corequisite(s): NURS 193 C

Term hours: 18 lecture. This pharmacology course correlates with the content in NURS 192 C and NURS 193 C. It introduces the concepts of patient centered care, teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to safely administer both enteral and topical medications to patients in basic medical-surgical areas with oxygenation, regulation and movement disorders. (CSU)

NURS 192 C Fundamentals of Nursing**4.5 Units****Prerequisite(s):** Admission into the nursing program

Term hours: 45 lecture and 108 laboratory. This course is an introduction to the nursing process and applying quality and safety standards within a spirit of inquiry firmly based in the science and art of nursing. This course will prepare the student to provide safe, patient-centered care within an environment of interdisciplinary teamwork and collaboration. The course is designed to provide the student with fundamental provider of care roles and critical thinking skills in order to develop and deliver a basic plan of care. Fundamental exemplars will be introduced with an emphasis on basic oxygenation, patient and nurse movement, and regulation of patient physiology and behavior. The course is designed to socialize the beginning nursing student to the professional role of nursing. Models of health care delivery systems and funding will be explored. Nursing issues regarding patient rights, ethical and legal standards, and the use of professional and therapeutic communication will be applied to nursing theory and practice. \$15 Materials Fee-Payable at Registration (CSU)

NURS 193 C Introduction to Medical-Surgical/Gero Nursing**3.5 Units****Prerequisite(s):** NURS 192 C Corequisite: NURS 191 C Term hours: 27

lecture and 108 laboratory This course prepares the student to apply the nursing process and develop basic critical thinking within a spirit of inquiry firmly based in the science and art of nursing for safe patient centered care of the older adult in the medical-surgical setting. Students will recall and build upon course concepts (previous learning in N192) of patient centered care, safety, oxygenation, regulation and movement with healthy aging concepts, basic age-associated changes and preventive health considerations for the older adult. Using interdisciplinary teamwork and collaboration, this course socializes the beginning nursing student to the professional role of nursing as it relates to the care of the older adult and explores resources for evidence based practice. Models of health care delivery systems and quality improvement strategies will be introduced and explored. Professional nursing issues, ethical and legal standards, and professional communication related to older adult rights will be explored. \$45 Materials Fee - PAYABLE AT REGISTRATION. (CSU)

NURS 195 C Pharmacology in Nursing II**1 Unit****Prerequisite(s):** Acceptance in the Nursing Program, LVN, PT or

completion of NURS 191 C and NURS 193 C with a grade of C or better

Term hours: 18 lecture. This pharmacology course correlates with the content in NURS 196 C and NURS 197 C. Students will recall and build upon the curricular concepts previously learned in NURS 191 C and NURS 193 C of patient centered care, teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to safely administer both enteral and parenteral medications to patients in multiple settings with oxygenation, regulation and movement disorders. (CSU)

NURS 196 C Med-Surg Nursing I**5 Units****Prerequisite(s):** NURS 191 C and NURS 193 C with a grade of C or better

Term hours: 40.5 lecture and 148.5 laboratory. This course prepares the student to apply the nursing process and develop nursing judgment within a spirit of inquiry based on the science and art of nursing to prioritize care for the medical-surgical patient in multiple clinical settings. Students will learn the foundation of critical thinking. Students will recall and build upon previously learned curricular concepts of patient centered care, safety, oxygenation, regulation and movement using intra and interdisciplinary teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective care to achieve positive patient outcomes. \$85 Materials Fee - Payable at Registration. (CSU)

NURS 197 C Maternal and Newborn Nursing**3.5 Units****Prerequisite(s):** NURS 196 C with a grade of C or better

Term hours: 31.5 lecture and 94.5 lab. This course prepares the student to apply the nursing process and develop nursing judgment to prioritize care for the perinatal, newborn and women's health patient in multiple clinical settings. Students will recall and build upon the curricular concepts (previously learned in NURS 192 C and NURS 193 C and NURS 196 C) of patient centered care, safety, oxygenation, regulation and movement using teamwork and collaboration, professionalism, evidence-based practice, quality improvement and informatics to provide effective care to achieve positive patient outcomes. \$40 Materials Fee - Payable at Registration. (CSU)

NURS 291 C Pharmacology in Nursing III**1 Unit****Prerequisite(s):** Acceptance in the Nursing Program, LVN, PT or

NURS 195 C with a grade of C or better

Term hours: 18 lecture. This course correlates with the content in NURS 292 C, NURS 293 C, NURS 294 C. Students will recall and build upon the curricular concepts previously learned in NURS 195 of patient centered care, teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to safely administer medications to patients in multiple settings with oxygenation, regulation and movement disorders. (CSU)

NURS 292 C Medical-Surgical Nursing II**5 Units****Prerequisite(s):** NURS 195 C and NURS 196 C and NURS 197 C with a

grade of C or better and acceptance in the Nursing Program

Term hours: 40.5 lecture and 148.5 laboratory. This course prepares the student to apply the nursing process, to develop nursing judgment and to prioritize patient centered care for multiple acute medical surgical patients in a variety of settings. Students will apply quality and safety standards within a spirit of inquiry firmly based in the science and art of nursing. Students will recall and build upon the curricular concepts (previously learned in NURS 192 C, NURS 193 C, NURS 196 C, and NURS 197 C) of patient-centered care, safety, oxygenation, regulation and movement using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective care to achieve positive patient outcomes. \$55 Materials Fee - Payable at Registration (CSU)

NURS 293 C Mental Health Nursing**3.5 Units****Prerequisite(s):** NURS 292 C with a grade of C or better

Term hours: 31.5 lecture and 94.5 laboratory. This course presents historical, cultural and contemporary evidence based concepts related to the mental health-illness continuum. Will explore patient - centered interventions that are designed to promote safe return to mental stability and meet the emotional needs of the patient. Emphasis is placed on interpersonal communication through self-awareness, the safe use of self as a therapeutic agent and collaboration with the mental health team and community resources. The role of the nurse in providing quality care in the areas of ethics, legal, advocacy issues while providing patient centered care is explored in the Psychiatric unit. (CSU)

NURS 294 C Geriatric Nursing**3 Units****Prerequisite(s):** NURS 292 C with a grade of C or better

Term hours: 27 lecture and 81 laboratory. This course prepares the student to apply quality and safety standards and the National League for Nursing's ACES framework to plan patient centered care for the community dwelling older adult. There will be an emphasis on the use of standardized assessment tools and application of evidenced based practice in various community settings. Students will learn to collaborate with other members of the interdisciplinary team and use nursing judgement to foster individualized aging in the senior population. (CSU)

NURS 295 C Pharmacology in Nursing IV**0.5 Units**

Prerequisite(s): NURS 291 C, NURS 292 C, NURS 293 C and NURS 294 C, with a grade of C or better or acceptance in the Nursing Program, LVN, PT
Term hours: 9 lecture. This course correlates with the content in NURS 296 C and NURS 297 C. Students will recall and build upon the curricular concepts learned in preceding nursing courses of patient centered care, safety, oxygenation and regulation and movement using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics, to safely administer medications to pediatric and adult patients in multiple clinical settings with oxygenation, regulation and movement disorders. Pass/No Pass/Letter Grade Option (CSU)

NURS 296 C Child and Family Nursing**3.5 Units**

Prerequisite(s): NURS 291 C and NURS 292 C and NURS 293 C and NURS 294 C, with a grade of C or better
Term Hours 31.5 lecture and 94.5 Laboratory This course prepares the student to apply quality and safety standards utilizing the nursing process based in the science and art of nursing. Students will develop nursing care strategies for complex family centered care of the pediatric population within multiple interdisciplinary settings. Evidence-based nursing interventions encompassing a holistic approach will be developed. The student will apply growth and development concepts to the care of multiple patients, utilizing informatics and effective therapeutic and professional communication. Nursing judgment and prioritization will be applied to achieve positive care outcomes within family centered care situations. (CSU).

NURS 297 C Med-Surg Nursing III**5 Units**

Prerequisite(s): NURS 292 C, NURS 295 C and NURS 296 C, with a grade of C or better
Term hours: 41 lecture and 149 laboratory. This course prepares the student to apply nursing process, to develop nursing judgment, and to prioritize care for adults with acute unstable medical-surgical disorders in a variety of settings. Students will recall and build upon the curricular concepts (previously learned in NURS 192 C, NURS 193 C, NURS 196 C, NURS 197 C, NURS 292 C, NURS 293 C, NURS 294 C and NURS 296 C) of patient-centered care, safety, oxygenation and regulation and mobility using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective care to promote synthesis and competence necessary for entry into practice. (CSU)

Philosophy and Religious Studies (PHIL)

PHIL 100 C Introduction to Philosophy**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
Term hours: 54 lecture. This course introduces the student to a variety of philosophical issues in metaphysics, theory of knowledge, and ethics, as well as the methodology used by philosophers to address those issues. The origins of Western philosophy as well as its impact on Western civilization will be emphasized. The course systematically explores and evaluates the concepts of reality, value, knowledge, reason, truth, language, definition, beauty, justice, human nature, personal identity, religion, meaning, and freedom. Analysis and synthesis will be stressed for these and other topics of interest to students and/or instructors. Duplicate credit not granted for PHIL 100HC. (UC/CSU, AA GE, CalGETC, C-ID:PHIL 100)

PHIL 100HC Honors Introduction to Philosophy**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
Term hours; 54 lecture. This course is enhanced for honors students. It introduces the student to a variety of philosophical issues in metaphysics, theory of knowledge, and ethics, as well as the methodology used by philosophers to address those issues. The origins of Western philosophy as well as its impact on Western civilization will be emphasized. The course systematically explores and evaluates the concepts of reality, value, knowledge, reason, truth, language, definition, beauty, justice, human nature, personal identity, religion, meaning, and freedom. Analysis and synthesis will be stressed for these and other topics of interest to students and/or the instructor. Duplicate credit not granted for PHIL 100 C. (UC/CSU, AA GE, CalGETC, C-ID:PHIL 100)

PHIL 101 C Intro to Religious Studies**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
Term hours: 54 lecture. This course is an introductory study of religion with emphasis on the origins and functions of religion, religious experience, and religious and theological modes of expression. Course content will be drawn from Eastern and Western traditions, ancient, medieval and modern times. (UC/CSU, AA GE, CalGETC)

PHIL 101HC Honors Introduction to Religious Studies**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
Term hours: 54 lecture. This course is an enhanced introductory study of religion with emphasis on the origins and functions of religion, religious experience, and religious and theological modes of expression. Course content will be drawn from Eastern and Western traditions, ancient, medieval and modern times. Duplicate credit not granted for PHIL 101 C. (UC/CSU, AA GE, CalGETC)

PHIL 105 C World Religions**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
Term hours: 54 lecture. This course provides an overview of the world's religions, with major emphasis upon Judaism, Christianity, Islam, Hinduism, and Buddhism. (CSU/UC, AA GE, CalGETC)

PHIL 110 C Religions of the East**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C
Term hours: 54 lecture. This course systematically introduces and analyzes the intellectual and religious histories of India, China, and Japan. Primary focus will be on the ways in which Eastern traditions such as Hinduism, Buddhism, Confucianism, Taoism, and Zen conceive of the cosmos, meaningful human existence and life's ultimate goals. Jainism, Sikhism, and Shinto may also be covered. While the main emphasis will be on basic teachings, this course will also investigate religious practices, cultural settings, social impact, and the historical contexts in which these religions arose. Rituals and religious literature may be used to compare and contrast Asian and Occidental belief systems. A field trip may be required by the instructor. (UC/CSU, AA GE, CalGETC)

PHIL 120 C Religions of the West**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an introduction to Zoroastrianism, Judaism, Christianity, and Islam, as well as the religions of ancient Mesopotamia, Canaan, and Egypt. The history, beliefs, rituals, literature, and art of each religion will be examined with a goal to discovering its conception of God, man, the cosmos, meaningful human existence, and life's ultimate goals. Skills in objective, scholarly analysis of the scripture of each religion will be developed. Religious trends in the Nineteenth and Twentieth Centuries and contemporary secular and religious humanism will also be discussed. A field trip may be required by the instructor. (UC/CSU, AA GE, CalGETC)

PHIL 135 C Social and Political Philosophy**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an introduction to social and political thought, especially the central concepts (e.g. democracy, justice, rights, liberty, political authority, political morality, etc.) and issues that arise in classic and contemporary readings. The course involves an examination of the relationship between morality, politics and social justice, from a multi-cultural perspective. Topics include: the sources of legitimate political authority, the meaning of democracy, obligations of citizenship, the nature of the state, the justifications for universal human rights, the foundations of a just society, and how political culture is related to social and political institutions. (UC/CSU, AA GE, CalGETC)

PHIL 160 C Introduction to Ethics**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an introduction to metaethics, normative ethics, and applied ethics. Fundamental ethical concepts, theories, and arguments in classical, medieval, modern, and contemporary ethical thought are presented, analyzed, and critically evaluated. (UC/CSU, AA GE, CalGETC, C-ID:PHIL 120)

PHIL 162 C Contemporary Moral Issues**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is a philosophic examination of major ethical debates in contemporary American society. Topics may include capital punishment, abortion, poverty including hunger and humanitarian aid, euthanasia and assisted suicide, war including terrorism and torture, civil disobedience, racial and sexual equality, affirmative action, sexual morality, reproductive technologies including genetic engineering and cloning, pornography and free speech, "victimless crimes," biomedical research, drug laws, vegetarianism and non-human animal rights, economic justice and global obligations, and environmental duties. Preparatory to those investigations, time is devoted to studying some of the most important moral theories and various types of moral reasoning. (UC/CSU, AA GE, CalGETC)

PHIL 165 C Business Ethics**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

This course examines the major ethical issues that arise in contemporary business practices, e.g., preferential treatment for underrepresented groups, responsibility to the environment, codes of conduct for professional persons, sexual harassment, and the morality of strikes by public service personnel. The course considers leading normative ethical theories and the ways they have been applied by ethicists to provide solutions to the ethical problems that arise in business. It also emphasizes the development of logical skills necessary for critically evaluating arguments that have been given for and against the solutions proposed to ethical problems that arise in business. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE)

PHIL 170 C Logic and Critical Thinking**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course focuses on elements of clear, straight, orderly and valid thought, including deductive and inductive reasoning and the accurate use of language. This course explores practical applications of logic. Duplicate credit not granted for PHIL 170HC. (UC/CSU, AA GE)

PHIL 170HC Honors Logic and Crit Thinking**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This Honors-enhanced course focuses on elements of clear, straight, orderly and valid thought, including deductive and inductive reasoning and the accurate use of language. This course explores practical applications of logic. Duplicate credit not granted for PHIL 170 C. (CSU/UC, AA GE)

PHIL 172 C Critical Thinking and Writing**3 Units****Prerequisite(s):** ENGL C1000 (ENGL C1000), ENGL C1000H

(ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C with a grade of C or better

Term hours: 54 lecture. This course is an introduction to the techniques of argument analysis, evaluation, and construction as applied to essay writing. The course includes such topics as standard form and argument patterns; deduction, validity, and soundness; truth-functional arguments, truth-tables, and natural deduction; quantificational arguments; categorical syllogisms and Venn Diagrams; truth; induction, strength, and cogency; sampling arguments, causal arguments, statistical syllogisms, analogical arguments, and explanatory arguments; the probability calculus; formal and informal fallacies; and definition, language, and meaning; thesis statements, the writing of coherent, well-developed essays, and grammar, punctuation, and orthography. (UC/CSU, AA GE, CalGETC)

PHIL 175 C Symbolic Logic**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This is a course in elementary, truth-functional, propositional logic and first-order quantificational predicate logic, up through identity and definite descriptions. The course covers the techniques for the translation of English statements and arguments into formal logical languages and the methods for determining whether these arguments are valid. (UC/CSU, C-ID:PHIL 210)

PHIL 201 C History of Ancient Philosophy**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This historical introduction to philosophy traces the development of Western philosophy with a focus on the early Greeks, emphasizing those ideas which have most influenced the development of Western culture. This course will explore the birth of European thought with the Pre-Socratics, such as the Milesian philosophers and Greek atomists, then move to Athens with Socrates, Plato, and Aristotle, and continue with some philosophers from the Hellenistic and Medieval periods. This course surveys the development, transformation, and influence of Greek metaphysics, epistemology, and ethics within the context of their historical and cultural setting. Particular focus will be placed on the philosophical issues still facing us now, including the perennial search for values. (UC/CSU, AA GE, CalGETC, C-ID: PHIL 130)

PHIL 202 C History of Modern Philosophy**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This is a survey of Western philosophical thought since the Renaissance with emphasis on the Modern period. The course introduces students to some of the most important and influential philosophical themes as they found expression in its most central figures. It emphasizes metaphysics and epistemology, but may also include the development of views in ethics, political philosophy, God's existence, skepticism, causality, logic, semantics, and philosophical foundations of modern science. The course also examines the influence of past philosophical movements on modern life, including the growth of science and social and cultural changes. (UC/CSU, AA GE, CalGETC, C-ID: PHIL 140)

PHIL 225 C The American Religious Experience**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an introduction to religious diversity in the United States from the colonial encounter to the present. It emphasizes cultural and religious interaction and exchange. This course will examine how the American experience shaped, and was shaped by, the religions of Africa, Europe, and Asia, as well as Indigenous American religions and new American religious movements. (UC/CSU, AA GE, CalGETC)

PHIL 230 C Philosophy of Religion**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course critically examines the central arguments for and against the existence of God, the historicity of miracles, and the possibility of life after death. (UC/CSU, AA GE, CalGETC)

PHIL 240 C Jesus and His Interpreters**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course examines what we know about the historical Jesus, how He is depicted in the Gospels and how He has been critically reconstructed in New Testament scholarship. The course also examines interpretations of Jesus in popular culture from the first-century period to the present-day United States. (UC/CSU, CalGETC)

PHIL 298 C Philosophy Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings a particular semester. Pass/No Pass/Letter Grade option. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

PHIL 299 C Philosophy Independent Study**1 Unit****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: Varying hours of scheduled conferences per week according to instructor. This independent study course is for able students who wish to extend their knowledge of a particular area through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so that they could learn more regarding their special topic. May be taken for credit 3 times. (UC Credit Limitation/CSU)

PHIL 400 C Business Ethics**3 Units****Prerequisite(s):** Completion of ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C with a grade of C or better**Advisory:** Completion of PHIL 160 C

Term hours: 54 lecture. This is an upper division intensive writing course intended for students enrolled in an approved Baccalaureate Degree Pilot Program. This course is a critical and reflective exploration of ethical priorities and moral issues in the business world. It is designed to enable students to become more aware of, and skilled at, managing the many ethical dilemmas that they will face while being employed in a business organization (as well as in other types of organizations). Emphasis on issues surrounding the concepts of duty, rights, autonomy, justice, and regulation of business, as well as the potential conflict between personal moral values and business priorities, corporate social responsibility and the public good, together with extended reflections on the relationship between moral responsibility and the professions (drawing from specific fields). This course is intended strictly as a part of the Bachelor in Science degree program. (CSU)

Photography (PHOT)

PHOT 050 C Photography Special Projects**3 Units****Advisory:** PHOT 103 C

Term hours: 36 lecture and 72 laboratory TBA. This course is designed to allow the student to specialize in one particular phase of photography under the close supervision of the instructor. Students will be required to meet periodic deadlines and do some classroom assignments that are loosely structured to allow creativity. This should be the final class that the student takes before leaving the photography program. \$20 materials fee payable at registration.

PHOT 101 C Introduction to Photography**3 Units**

Term hours: 36 lecture and 72 laboratory. A survey of the historical and practical aspects of photography as an art form and social document as well as an introduction to the processes, principles, and tools of photography. Topics include the development of technical and aesthetic skills, elements of design and composition, camera technology, materials and equipment, and contemporary trends in photography. Significant photographers from diverse backgrounds will inspire students in the practice of photography and develop an understanding of the varied uses of photographic images in our culture, including advertising, journalism, social concern, fine art, and scientific applications. \$35.00 Materials Fee - PAYABLE AT REGISTRATION. Credit by Examination (UC/CSU, AA GE).

PHOT 103 C Intermediate Photography**3 Units****Prerequisite(s):** PHOT 101 C

Term hours: 36 lecture and 72 laboratory. This course is designed to reinforce and enhance the concepts and skills acquired in the Introduction to Photography class. This course includes special film processing techniques, advanced exposure techniques, archival print processing, and an introduction to medium and large format cameras. In addition, students will learn advanced darkroom printing techniques, multiple contrast filters, and archival preservation techniques, emphasizing developing a personal style that comprehensively understands photographic methods, genres, and presentation. \$35.00 Materials Fee - PAYABLE AT REGISTRATION. (CSU)

PHOT 104 C Wedding and Event Photography**3 Units****Advisory:** PHOT 103 C

Term hours: 36 lecture and 72 laboratory. This introductory course is designed to introduce students to the skills and mindset needed to photograph weddings and events in the primary and second shooter role. The course is composed of lectures, lab time and outside assignments, which will prepare the students for basic application in this field of photography. \$35 materials fee payable at registration. (CSU)

PHOT 106 C Advanced Wedding Photography**3 Units****Advisory:** PHOT 103 C and PHOT 104 C

Term hours: 36 lecture and 72 laboratory. This advanced course is designed to prepare photographers for a career in professional wedding photography. It focuses on building the technical and creative photographic skills necessary to successfully photograph a wedding event as the main shooter. The course is composed of lectures, demos, lab time and outside assignments which will prepare the students for advanced application in this field of photography. \$35 materials fee payable at registration. (CSU)

PHOT 109 C Portrait Photography**3 Units****Advisory:** Photo 103 C Term hours : 36 lecture and 72 laboratory

This course is designed to give the student a working knowledge of portrait styles and techniques. The student will practice techniques for photographing people in studio and on location situations. The student will work with both natural and artificial lighting and learn the possibilities and limitations of both. Emphasis will be placed on lighting styles and patterns, as well as working with people in front of the camera. Students will have an opportunity to investigate and imitate the styles of well-known portrait photographers. \$35.00 Material Fee - Payable at Registration. (UC,CSU)

PHOT 115 C Introduction to Digital Photography**3 Units**

Term hours: 36 lecture and 72 laboratory. A survey of the historical and practical aspects of photography as an art form and social document, as well as an introduction to photography's processes, principles, and tools. Topics include the development of technical and aesthetic skills, elements of design and composition, camera technology, materials and equipment, and contemporary trends in photography. Significant photographers from diverse backgrounds will inspire students in the practice of photography and develop an understanding of the varied uses of photographic images in our culture, including advertising, journalism, social concern, fine art, and scientific applications. Emphasis is placed on constructing meaning in imagery through digital techniques. \$35.00 Materials Fee - PAYABLE AT REGISTRATION. (CSU/UC)

PHOT 118 C Available Light Photography**3 Units****Advisory:** PHOT 101 C and PHOT 103 C

Term hours: 36 lecture and 72 laboratory TBA. This course is designed to give the student knowledge of and competency in making photographic images in available light conditions where light can not be rigidly controlled. Combining lighting awareness with photographic techniques, the course concentrates on the creation of photographs made under a variety of lighting conditions found in both natural and man made environments. Topics include learning how to see and control light, selection and care of equipment, use of filters, techniques for photographing both at night as well as challenging times during the day, and procedures for photographing indoors with supplemental strobe equipment. \$35 materials fee payable at registration. (CSU)

PHOT 148 C Photo Laboratory Studies I**1 Unit**

Term hours: 54 laboratory. Extended laboratory hours to supplement those available in a student's regular class. Provides students the opportunity to attain fundamental skills to complete their assignments and personal projects. \$30.00 Materials Fee - Payable at Registration. Pass/No Pass. (CSU)

PHOT 149 C Photo Laboratory Studies II**1 Unit**

Term hours: 54 laboratory. This course provides students the opportunity to attain intermediate skills to complete their assignments and personal projects. Extended laboratory hours to supplement those available in a student's regular class. \$30 materials fee payable at registration. Pass/No Pass only. (CSU)

PHOT 150 C Photo Laboratory Studies III**1 Unit**

Term hours: 54 laboratory. Extended laboratory hours to supplement those available in a student's regular class. Provides students the opportunity to attain advanced skills to complete their assignments and personal projects. \$30.00 Materials Fee - Payable at Registration. Pass/No Pass. (CSU)

PHOT 202 C Contemporary Photography**3 Units****Advisory:** PHOT 101 C Term hours: 36 lecture and 72 laboratory

This is a lecture and lab course on the genre of contemporary photography from the 1970's to present day. The historical significance of contemporary photographers including the impact from the conceptual art movement on photography will be explored in this course. The need for strong idea-based photographs in all aspects of photographic industries is emphasized. Assignments will focus on the importance of why photographs are created and the success of what they communicate. \$35 materials fee payable at registration. (UC Credit Limitation/CSU)

PHOT 203 C Studio Lighting Techniques**3 Units****Advisory:** PHOT 103 C

Term hours: 36 lecture and 72 laboratory. This course acquaints the student with lighting and studio techniques as commonly used in professional photographic applications. The emphasis will be on light and the use of lighting equipment in a photography studio. \$35 materials fee payable at registration. (UC/CSU)

PHOT 204 C History of Photography**3 Units****Advisory:** PHOT 101 C

Term hours: 36 lecture and 72 laboratory. This is a lecture/lab course on the history of photography that is designed to give students a practical knowledge of the development of the medium through a combination of lecture and hands-on technical and aesthetic experiences utilizing early photographic techniques and processes. The course will emphasize the invention and development of photography from its inception in the early 1800's through 1970. \$35.00 Material Fee-Payable at Registration. (UC/CSU, AA GE, CalGETC)

PHOT 206 C Studio Practices**3 Units****Advisory:** PHOT 103

Term hours: 36 lecture and 72 laboratory. This is a course designed to familiarize the student with image conceptualization and the differing technical alternatives used in commercial studio photography. Students will learn specialized imaging techniques utilized by professional studio photographers. \$35 materials fee payable at registration. (CSU)

PHOT 216 C Advanced Digital Photography**3 Units****Prerequisite(s):** PHOT 115 C or consent of Instructor**Advisory:** PHOT 103 C

Term hours: 36 lecture and 72 laboratory. This course is designed to provide the student with advanced knowledge of techniques and skills in the application of digital technologies to all areas of the photographic medium. The integration of technical skills and aesthetic expression will be emphasized along with color management and advanced skills in preparing images for output on large format printers. Students develop the skills necessary to create their own unique body of work using digital photographic technologies. \$35 materials fee payable at registration. (CSU)

PHOT 219 C Editorial Photography**3 Units****Advisory:** PHOT 103 C

Term hours: 36 lecture and 72 laboratory TBA. This course is designed to acquaint the student with a current view of the field of photojournalism and photographic publishing for magazines, the Internet, and all editorial uses. Heavy emphasis is placed on communication through photography. \$35 materials fee payable at registration. (CSU)

PHOT 220 C Alternative Photo Processes I**3 Units**

Term hours: 36 lecture and 72 laboratory. This course investigates alternative methods to image production. Class content will include aspects of graphic arts photography, films and developers. A variety of analog and digital technologies will be explored. \$45.00 Materials Fee - PAYABLE AT REGISTRATION. (CSU)

PHOT 221 C Alternative Photo Processes II**3 Units****Prerequisite(s):** PHOT 220 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course will continue to investigate the artistic aspects and technical procedures used in 19th Century photographic printing of hand coated papers. During the semester students will work with van dyke, salted paper, albumen and collodian. \$45 materials fee payable at registration. (CSU)

PHOT 222 C Alternative Photo Processes III**3 Units****Prerequisite(s):** PHOT 221 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. This course will continue to investigate the artistic aspects and technical procedures used in 19th Century photographic printing of hand coated papers. During the semester students will work with carbon printing, argyrotypes, and palladium/platinum processes. \$45 materials fee payable at registration. (CSU)

PHOT 236 C UAV Flight Lab-Photography**2 Units****Prerequisite(s):** PHOT 235 C with a grade of C or better

Term hours: 18 lecture and 54 laboratory. In this course, students will receive instruction and participate in hands-on flight activities to develop, practice and optimize unmanned Aircraft System flight and photography skills. High end photo equipment and drones will be used. \$35 materials fee payable at registration. (CSU)

PHOT 298 C Photography Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and 0-1080 laboratory depending on units attempted. This is a course for students who wish to increase their knowledge of photography. Various topics will be offered. Unit credit may range from 1/2 to 12 units in any given semester. Consult the class schedule to verify credit for a particular semester. Fees may be required and are payable at registration. Pass/No Pass/Letter Grade option. (CSU)

PHOT 299 C Independent Study**1-2 Units****Prerequisite(s):** PHOT 103 C with a grade of C or better and an Independent Study Learning Contract.

Term hours: 54-108 laboratory. This is a course that is designed for the student to increase their knowledge of a particular art discipline. Unit credit may range from 1/2 to 2 units in any given semester. \$35.00 Materials Fee - PAYABLE AT REGISTRATION. (CSU).

Physical Sciences (PHSC)

PHSC 104 C Physical Science for Teachers**4 Units****Prerequisite(s):** Successful completion of Elementary Algebra or MATH 110 C or MATH 110PC or equivalent

Term hours: 54 lecture and 54 laboratory. This activity-based course introduces students to basic principles of physics and chemistry with emphasis on their practical importance and application in the real world. Some of the topics include: matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. This course is intended for students who want to become elementary school teachers. Duplicate credit not granted for CHEM 104 C. (UC/CSU, AA GE, CalGETC, C-ID: CHEM 140 and PHYS 140)

PHSC 196 C Field Studies in Physical Science**2 Units**

Term hours: 18 lecture and 54 laboratory. This course involves lecture and field study in the physical sciences. During a given semester, multiple sections may be offered to different study areas or for different selected topics. Study areas include, but are not limited to, star gazing in the Santa Ana mountains or Anza area; viewing museums, planetaria, observatories; or listening to lectures. Field trips are required. (CSU)

PHSC 298 C Physical Science Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-648 laboratory depending on units attempted. This course is for students who wish to increase their knowledge in various fields in the physical sciences. Various topics may be offered, such as the metric system of measurement, observational astronomy, etc., according to the interests of the instructor and students as stated in the class schedule. Consult the class schedule to verify unit credit and topics for a particular semester. Fees may be required-Payable at Registration. Pass/No Pass or Pass/No Pass/Letter Grade Option or Standard Letter Grade. (UC Credit Limitation/CSU)

PHSC 299 C Physical Sciences Independent Study**0.5-2 Units****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: 48-54 laboratory or project research for maximum credit. This course is for able students who have demonstrated interest and capability for increased knowledge of physical science through individual study, small group discussion conferences, or special laboratory project work. Independent laboratory or field study projects with staff supervision may be approved with written reports required. May be taken for credit 4 times. (UC Credit Limitation/CSU)

Physics (PHYS)

PHYS 130 C Elementary Physics**4 Units****Prerequisite(s):** Intermediate Algebra or the equivalent, with a grade of C or better

Term hours: 54 lecture and 54 laboratory. This is an entry level physics course for all science majors. The course provides an introduction to the basic concepts and laws of physics with emphasis upon their practical importance in everyday life. Laboratory work includes experiments in mechanics, heat, sound, electricity, and optics. This is a general education course in the physical science area. The course is not open for credit to students with previous college physics credit. No UC credit if taken after PHYS 201 C, or PHYS 210 C, or PHYS 221 C. (UC Credit Limitation/CSU, AA GE, CalGETC)

PHYS 201 C College Physics I**4 Units****Prerequisite(s):** Pre-calculus, or college algebra and trigonometry, or equivalent, or placement as determined by the college's multiple measures assessment process

Term hours: 54 lecture and 54 laboratory. This course is the first half of an algebra- and trigonometry-based two-semester physics sequence (PHYS 201 C and PHYS 202 C) designed primarily for students planning to major in life sciences, medical/dental fields, architecture, psychology, and similar professional fields. The course covers Newtonian mechanics, conservation laws, rotational dynamics, and properties of matter, heat, and waves. The laboratory portion of the course investigates these topics both qualitatively and quantitatively, and includes the use of graphing, statistics, and propagation of errors. This course satisfies a requirement for biology majors in the CSU system, but not the UC system. (CSU/UC Credit Limitation/AA GE, CalGETC, C-ID: PHYS 105 and PHYS 100S = PHYS 201 C + PHYS 202 C)

PHYS 202 C College Physics II**4 Units****Prerequisite(s):** PHYS 201 C with a grade of "C" or better

Term hours: 54 lecture and 54 laboratory. This is the second half of an algebra and trigonometry based two-semester sequence (PHYS 201 C and 202 C) designed primarily for students planning to major in life sciences, medical/dental fields, architecture, psychology, and similar professional fields. This course covers electricity and magnetism, optics, atomic physics, nuclear physics, and special theory of relativity. The laboratory portion of the course investigates these topics both qualitatively and quantitatively, and includes the use of graphing, statistics, and propagation of errors. This course satisfies a requirement for biology majors in the CSU system but not the UC system. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID: PHYS 110 and PHYS 100S= PHYS 201 C+ PHYS 202 C).

PHYS 210 C Physics for Life Sciences I**4 Units**

Corequisite(s): MATH 150AC with a grade of C or better. Term hours: 54 lecture and 54 laboratory. This is the first half of a calculus-based two-semester sequence (PHYS 210 C and 211 C) designed for students majoring in life sciences, medical/dental fields, architecture, psychology, and similar professional fields. This course covers Newtonian mechanics, conservation laws, rotational dynamics, properties of matter, heat and waves. The laboratory portion of the course investigates these topics both qualitatively and quantitatively, and includes the use of graphing, statistics, and propagation of errors. This course satisfies a requirement for biology majors in the UC system; the CSU system will accept either this sequence or PHYS 201 C and 202 C sequence. (CSU/UC Credit Limitation/AA GE, Cal-GETC).

PHYS 211 C Physics for Life Sciences II**4 Units****Prerequisite(s):** PHYS 210 C with a grade of C or better and completion of or concurrent enrollment in MATH 150BC

Term hours: 54 lecture and 54 laboratory. This is the second half of a calculus-based two-semester sequence (PHYS 210 C and 211 C) designed for students majoring in the life sciences. This course covers electricity, magnetism, optics, special relativity, and modern physics. The laboratory portion of the course investigates these topics both qualitatively and quantitatively, and includes the use of graphing, statistics, and propagation of errors. This course satisfies a requirement for biology majors in the UC system; the CSU system will accept either this sequence or PHYS 201 C and 202 C sequence.(CSU/UC Credit Limitation/AA GE, CAL-GETC).

PHYS 221 C General Physics I**4 Units****Prerequisite(s):** Completion of, concurrent enrollment in, or eligibility for MATH 150BC**Advisory:** PHYS 130 C OR one year of high school physics with a grade of C or better

Term hours: 54 lecture and 54 laboratory. This is the first course of a three semester introductory physics program for students majoring in physics, chemistry, geology, engineering (all areas), computer science, mathematics, and other related fields. Topics studied include mechanics, properties of matter, and fluids. Problems and derivations require knowledge of differential and integral calculus. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID:PHYS 205).

PHYS 222 C General Physics II**4 Units****Prerequisite(s):** MATH 150BC and PHYS 221 C with minimum grades of C**Advisory:** MATH 250AC

Term hours: 54 lecture and 54 laboratory. This course is part of a three-semester program of introductory calculus based physics for students majoring in physics, chemistry, geology, engineering (all specializations), computer science, mathematics, and other related fields. Topics covered are basic laws of electricity and magnetism including electrostatics, current, magnetic fields, electromagnetic induction, DC circuits, AC circuits, and electromagnetic waves. Requires knowledge of differential and integral calculus. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:PHYS 210).

PHYS 223 C General Physics III**4 Units****Prerequisite(s):** PHYS 221 C and MATH 150BC with grades of C or better

Term hours: 54 lecture and 54 laboratory. This course is part of a three-semester program of introductory calculus-based physics for students majoring in physics, chemistry, geology, engineering (all areas), mathematics, and other related fields. It may be taken before or after PHYS 222 C. Topics covered include oscillations and waves, thermodynamics and kinetic theory, geometrical and physical optics, special theory of relativity, introduction to quantum mechanics, atomic physics, and nuclear physics. Requires knowledge of differential and integral calculus. (CSU/UC Credit Limitation, AA GE, CalGETC, C-ID: PHYS 215).

Political Science (POLS)

POLS C1000 American Government and Politics (formerly: POSC 100 C United States Government)**3 Units****Advisory:** Eligibility for college-level writing (C-ID ENGL 100) Term hours: 54 lecture

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This course covers the political theories and practices of United States Government at national, state and local levels. Duplicate credit not granted for POLS C1000. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:POLS 110).

POLS C1000H American Government and Politics-Honors (formerly:**POSC 100HC Honors United States Government)****3 Units****Advisory:** Eligibility for college-level writing (C-ID ENGL 100)

Term hours: 54 lecture. This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This is an honors course. This course is an enhanced college level course enhanced for honors students. It covers the political theories and practices of the United States Government at national, state and local levels. Duplicate credit not granted for POLS C1000. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:POLS 110).

Political Science (POSC)

POSC 120 C Political Theory**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is a survey of Western political theory from ancient Greece to the Modern Age. It shows how political theory shapes current institutions and ideologies in the United States, Europe, and other countries around the world. (UC/CSU, AA GE, CalGETC, C-ID:POLS 120)

POSC 135 C Campaigns, Parties and Elections**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is an analysis of the challenges faced by the Democratic and Republican and parties as they are being replaced by campaign management firms (CMF's), Political Action Committees (PAC's) and electronic media advertising. Special emphasis is given to critical analysis of the presidential election campaign process, and of the resulting implications of the democratic process in the United States. (CSU)

POSC 200 C Introduction to Political Science**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an introduction to the study of political science. It explores the many aspects of politics, examining its relationship to morality, culture, economics, justice and international affairs both theoretically and practically. As an introductory course, it includes elements from the major sub-disciplines of political science, including American politics, comparative politics, and international relations. (UC/CSU, AA GE, CalGETC, C-ID:POLS 150)

POSC 209 C Urban Politics**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is a concentrated study of urban America with particular emphasis on the challenging problems facing the country's metropolitan areas. The approach will be interdisciplinary in order to facilitate conceptual learning and a balanced understanding of the urban dilemma. Major areas of study will include the history and development of urban United States intergovernmental relations, poverty, racial and ethnic relations, pollution, crime, public services, education, planning and renewal. (UC/CSU, AA GE, CalGETC)

POSC 210 C Contemporary Political Issues**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an intensive study of contemporary issues associated with the concepts of democracy, federalism, separation of powers, judicial review, preservation of individual rights and related topics. (UC/CSU, AA GE, CalGETC)

POSC 215 C Comparative Politics**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is a comparative study of the political theories and practices of selected European and non-Western political systems. Also included in the course is a careful analysis of the dynamics of political change and its relationship to economic and social development. (UC/CSU, AA GE, CalGETC, C-ID:POLS 130)

POSC 216 C Politics of the Middle East**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is an introduction to the political, social, economic and ideological foundations of the Middle East in general and major states in the region in particular. Emphasis is placed on the political and economic developments in Egypt, Iraq, Iran, Israel, and Saudi Arabia. Topics covered include: introduction to the land, peoples, cultures, and religions; colonialism and the emergence of modern states following World War I; Western influence and Islamic revivalism; regional conflicts (Arab-Israeli, Iran-Iraq, Gulf Wars); the politics and economics of oil; U.S. based ethnic interest groups and their influence on U.S. foreign policy; patrimonialism and militarism; liberalization and democratization. (UC/CSU, AA GE, CalGETC)

POSC 230 C International Relations**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Term hours: 54 lecture. This course is a study of relations of nations including the function of power, diplomacy, international law and organizations, and economic factors. Special emphasis will be placed on such concepts as war, nationalism, imperialism, ideological conflict and collective security, and how these concepts affect American foreign policy. (UC/CSU, AA GE, CalGETC, C-ID:POLS 140)

POSC 250 C Gender and Politics**3 Units**

Advisory: ENGL C1000 (ENGL C1000), ENGL C1000H (ENGL C1000H), ENGL C1000E (ENGL C1000E), or ESL 110 C

Formerly: POSC 101 C Term hours: 54 lecture. This course is an introduction to the study of women in politics at the national, state, and local levels and the intersection of gender, race, ethnicity, and class. Contemporary political analysis will focus on issues such as feminism, equal pay, sex discrimination in education and the work place, affirmative action, reproductive rights, sexual choice, and domestic violence. (UC/CSU, AA GE, CalGETC)

POSC 298 C Political Science Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings a particular semester. May be taken for credit 1-4 times. Pass/No Pass or Pass/No Pass/Letter Grade Option or Standard Letter Grade. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

POSC 299 C Political Science Independent Study**1 Unit**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: Varying hours of scheduled conferences per week according to instructor. This independent study course is for able students who wish to extend their knowledge of a particular area through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so that they could learn more regarding their special topic. May be taken for credit 4 times. (UC Credit Limitation/CSU)

Psychiatric Technology (PT)

PT 080 C Selected Topics in Psychiatric Technology**1 Unit**

Term hours: 18 lecture. This course is designed to meet the health science student's need for current topics and issues, updated information in health care, review of specialized subject matter, and/or preparation for health related licensure and certification exams. Content will emphasize clinical application of theoretical principles in the discipline. Resource materials, instructor assessment of individual student knowledge and skills will be utilized. Pass/No Pass/Letter Grade Option.

PT 085 C Psychiatric Technician - Work Experience**2-4 Units**

Prerequisite(s): Concurrent enrollment in Psychiatric Technician Program

Term hours: 18 lecture and 54 hours (minimum) work experience education. This course provides practical work experience for students caring for individuals with developmental disabilities in community settings. Pass/No Pass/Letter Grade Option. May be taken for credit 4 times.

PT 090 C Leadership Supervision and Ethics**0.5 Units**

Prerequisite(s): PT 130 C with a grade of C or better

Corequisite(s): Completion of or concurrent enrollment in PT 135 C

Term hours: 9 lecture. This course defines the leadership and supervisory roles of the mental health professional with focus on the ethical considerations surrounding work with persons diagnosed with intellectual disabilities and mental illness.

PT 110 C Nursing Science I**7 Units**

Prerequisite(s): Acceptance into the Psychiatric Technology Program

Term hours: 90 lecture and 126 laboratory hours. This course presents the fundamental of nursing concepts and scientific principles of nursing care. It begins to prepare students to provide fundamentals of nursing care in a safe and ethical manner by introducing them to evidence based practice. Nursing Principles discussed in lecture will be applied in the clinical setting. (CSU)

PT 115 C Nursing Science II**7 Units**

Prerequisite(s): Completion of or concurrent enrollment in PT 110 C with a grade of C or better

Term hours: 90 lecture and 126 laboratory. This course explores the disease process of medical/surgical conditions relative to etiology, pathology, and treatment modalities. The therapeutic use of medication, the principles of nutrition, and the application of the nursing processes are presented in classroom instruction and implemented in clinical practice. (CSU)

PT 120 C Developmental Disabilities I**7 Units**

Prerequisite(s): PT 115 C with a grade of C or better

Term hours: 90 lecture and 126 laboratory. This course explores the theory and principles directly related to the delivery of care and services to persons with intellectual/developmental disabilities in the school setting and vocation education classroom setting in California. Students learn how to teach self-help and independent living skills to persons with intellectual/developmental disabilities. (CSU)

PT 125 C Developmental Disabilities II**7 Units**

Prerequisite(s): PT 120 C with a grade of C or better

Term hours: 90 lecture and 126 laboratory. This course focuses on the cause and treatment of behavioral disorders in persons diagnosed with developmental disabilities. The theory and application of behavior assessment and intervention techniques is stressed. Behavioral assessment, teaching strategies, pharmacological interventions and special dietary needs are also covered. (CSU)

PT 130 C Mental Disabilities I**7 Units****Prerequisite(s):** PT 125 C Term hours: 90 lecture and 126 laboratory

This course introduces the theory, psychological and mental health concepts of psychiatric nursing while exploring the causes and treatments of mental illness in chronically hospitalized and forensic individuals. Students are tasked with caring for a client diagnosed with a mental illness or developmental disability at the tertiary level of intervention with emphasis placed on assessment, intervention and valid rationale for treatment of long term mental illness. Fee for live scan fingerprinting not to exceed \$100. (CSU)

PT 135 C Mental Disabilities II**7 Units****Prerequisite(s):** Completion of or concurrent enrollment in PT 130 C

Term hours: 90 lecture and 126 laboratory. This course prepares the student to intervene at the primary and secondary levels of treatment in the care of individuals with mental disabilities. Primary interventions include prevention of mental disabilities through the education of individuals at risk, while secondary interventions are aimed at identified clients during periods of increased stress. (CSU)

Psychology (PSY)

PSY 110 C Applied Psychology**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course examines the principles of psychology and its research as it applies to everyday living. These principles are explored in the context of college life, interpersonal relationships, work and career. Focus areas include adjustment, health, stress, sexuality and psychological disorders. Applied Psychology is not the same as PSY 101 C General Psychology and cannot be taken in place of PSY 101 C. (UC/CSU, AA GE, CalGETC, C-ID:PSY 115)

PSY 120 C Human Sexuality**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

This course is an overview of the psychological and psychobiological aspects of human sexuality. The course takes an interdisciplinary approach dealing with the entire area of human sexual behavior viewed in the context of the total integrated personality. (UC/CSU, AA GE, CalGETC, C-ID:PSY 130)

PSY 131 C Cross-Cultural Psychology (formerly PSY 237 C)**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H (ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

This course is an introduction to culture's influence on human behavior and mental processes. Beginning with an examination of theoretical definitions of culture, the course covers a broad range of theories and research findings regarding cultural influences on human behavior and cognitive processes (life-span development, abnormal behavior and mental health, self-concept, emotion, motivation, learning, intelligence, perception, memory, communication, social cognition, and social behavior). The diversity of human expression is examined in contexts ranging from everyday modes of functioning to family and work relationships. By providing students with a non-judgmental understanding of how culture influences human behavior, this course will make them more equipped to interact in a world where there is increasing contact among different cultures. In addition, students will gain knowledge in cross-cultural research methodology. (UC/CSU, CalGETC)

PSY 139 C Developmental Psychology**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a study of emotional, intellectual, social and physical growth patterns from conception to death. It emphasizes an integrated approach to each life phase. It also examines the influence of heredity and environment on the life span. The study also includes applicable theories of development. (UC/CSU, AA GE, CalGETC, C-ID:PSY 180)

PSY 145 C Child Psychology**3 Units****Advisory:** Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000H

(ENGL C1000H) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course explores the physical, cognitive, communicative/linguistic, and socio-emotional development of the child from conception through adolescence across diverse cultures with an emphasis on the learning process. Education and teaching issues related to children are highlighted. (UC/CSU, AA GE, CalGETC, C-ID: CDEV 100)

PSY 161 C Probability and Statistics-Social Sciences**4 Units****Prerequisite(s):** Successful completion of Pre-Statistics or Intermediate Algebra or equivalent with a grade of C or better

Term hours: 72 lecture. This course provides an introduction to fundamental statistical concepts relevant to the social sciences but applicable to all disciplines. A conceptual approach is used to introduce students to topics of descriptive and inferential statistics including sampling, probability, central tendency, variability, correlation, regression, point estimation, interval estimation, and hypothesis testing. Also introduced are non-parametric statistics, such as chi-square, and parametric statistics, such as t-tests and ANOVA. The course includes applications of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications use data from the behavioral and social sciences of psychology, sociology, anthropology, geography, economics, political science and the life sciences, health sciences, and education. This course is open to all students who meet the prerequisite, and it is required for psychology majors. This course is strongly recommended for all social sciences majors. Students who receive credit for this course may not receive credit for STAT C1000 (MATH 120 C) or MATH 120PC. Duplicate credit not granted for PSY 161HC, SOC 161 C, or SOC 161HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: MATH 110 and SOCI 125)

PSY 161HC Honors Prob Stats-Soc Sci**4 Units**

Prerequisite(s): Successful completion of Pre-Statistics or Intermediate Algebra or equivalent with a C or better

Term hours: 72 lecture. This honors course provides an introduction to fundamental statistical concepts relevant to the social sciences but applicable to all disciplines. A conceptual approach is used to introduce students to topics of descriptive and inferential statistics including sampling, probability, central tendency, variability, correlation, regression, point estimation, interval estimation, and hypothesis testing. Also introduced are non-parametric statistics, such as chi-square, and parametric statistics, such as t-tests and ANOVA. The course includes applications of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications use data from the behavioral and social sciences of psychology, sociology, anthropology, geography, economics, political science and the life sciences, health sciences, and education. This course is open to all students who meet the prerequisite, and it is required for psychology majors. This course is strongly recommended for all social sciences majors. Students who receive credit for this course may not receive credit for STAT C1000 (MATH 120 C) or MATH 120PC. Duplicate credit not granted for PSY 161HC, SOC 161 C, or SOC 161HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: MATH 110 and SOCI 125)

PSY 202 C Research Methods in Psychology**4 Units**

Prerequisite(s): PSYC C1000 (PSY 101 C) or PSYC C1000H (PSY 101HC) and PSY 161 C with grades of "C" or better

Term hours 54 lecture and 54 laboratory. This course encompasses the conceptual, ethical and technical aspects of designing and implementing research in the cognitive, behavioral and social sciences. Concepts are presented for proper application of the scientific method to psychological and social research using quantitative and qualitative techniques. The use of current technology to acquire, process, and analyze data is integrated throughout the course. Emphasis is placed on proper communication and presentation of completed research. (UC/CSU, CalGETC, C-ID: PSY 205B)

PSY 221 C The Brain and Behavior**3 Units**

Prerequisite(s): PSYC C1000 (PSY 101 C) with a grade of C or better

Term hours: 54 lecture. This course examines the neurophysiological processes associated with mental processes and behavior. Emphasis is placed on the structure and function of the brain and other central nervous system structures. Related processes such as the autonomic nervous system, the endocrine system and the immune system are also studied. Specific topics studied in the context of the brain include learning, sensation, perception, emotion, motivation, cognition, memory, stress, psychological disorders, and brain dysfunction. (UC/CSU, CalGETC, C-ID: PSY 150).

PSY 222 C Abnormal Psychology**3 Units**

Prerequisite(s): PSYC C1000 (PSY 101 C) with a grade of C or better

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a systematic study of psychopathology. This course presents a scientific survey of the subfield of psychology interested in researching the nature and causes of deviant or unusual human behavior both within and across cultures. This course surveys types of abnormal behavior, the process of assessing and diagnosing abnormal behavior, the therapeutic modalities used to treat abnormal behavior, and the scientific methods used to conduct research on abnormal behavior. This course draws upon DSM diagnostic criteria to classify abnormal behavior, and humanistic, cognitive, behavioral, cross-cultural, psycho-dynamic, and biologically-based models and theories to frame an understanding of abnormal behavior. Issues relating to research, treatment and forensic psychology are considered. (UC/CSU, CalGETC, C-ID: PSY 120)

PSY 232 C Positive Psychology**3 Units**

Prerequisite(s): Completion of or concurrent enrollment

A minimum grade of C in PSYC C1000 (PSY 101 C). Term hours: 54 This course is a methodical study of positive psychology. This course introduces a scientific inquiry into the integrated field of positive psychology. This course emphasizes exploring dynamic theories, research methods, and empirical evidence to the study of positive psychology concepts and principles. Psychological topics include the theory of subjective wellbeing, the diathesis stress model and psychoneuroimmunology, positive emotions, engagement, relationships, meaning, accomplishment, physical health, compassion, friendship, intentionality, resilience, mindset, creativity and flow, relaxation and mindfulness, religiosity and spirituality, and leisure. (CSU/UC).

PSY 251 C Social Psychology**3 Units**

Advisory: Completion of PSYC C1000 (formerly PSY 101 C) with a grade of C or better

Term hours: 54 lecture. This course examines the basic theories, concepts, and empirical findings in such areas as social perception, social cognition, prejudice, discrimination, interpersonal attraction, conformity and obedience, by-stander effects, social aggression, group dynamics, attribution theory, and development of self in the social setting. (UC/CSU, AA GE, CalGETC, C-ID: PSY 170)

PSY 255 C Psychology of Aging**3 Units**

Term hours: 54 lecture. This course examines the biological, physiological, cognitive, personality, developmental, intimacy and sexual aspects of the ongoing aging process. Critical life issues for elders and for those who live and work with them are explored. These issues include physical health, mental health, health care policy, caregiving, dependency and positive aging strategies. (UC/CSU, AA GE, CSU GE, IGETC)

PSY 298 C Psychology Seminar**0.5-12 Units**

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 0-648 laboratory depending on units attempted. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings in a particular semester. Pass/No Pass/Letter Grade option. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

PSY 299 C Psychology Independent Study**1 Unit****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: Varying hours of scheduled conferences per week according to instructor. This independent study course is for able students who wish to extend their knowledge of a particular area through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so that they could learn more regarding their special topic. May be taken for credit 3 times. (UC Credit Limitation/CSU)

Psychology (PSYC)

PSYC C1000 Introduction to Psychology (formerly: PSY 101 C**Introduction to Psychology)****3 Units**

Advisory: Eligibility for college-level writing (C-ID ENGL 100) and reading (a course with an existing skill of ability to read a college level text)

Term hours: 54 lecture. This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Specifically, this course is a scientific consideration of the psychological foundations of behavior. It will investigate psychological development, motivation, sensation, perception, learning, thinking, language, psychological measurement, and principles of mental illness and mental health. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:PSY 110).

PSYC 101HC Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)**3 Units**

Advisory: Eligibility for college-level writing (C-ID ENGL 100) and reading (a course with an existing skill of ability to read a college level text)

Term hours: 54 lecture. This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course. This course, enriched for honors students, is a scientific introduction to the major areas of psychology. These areas include research methodology, consciousness, cognition, memory, perception, sensation, motivation, emotion, learning, development, personality, abnormal psychology, and physiological psychology. Students will examine, demonstrate and critique principles, theories, and research on human cognition, emotion, behavior, and conscious experience. The course uses lecture, multimedia presentation, class discussion, online communication, simulations, online resources, and research projects to enhance the learning experience of students. Duplicate credit not granted for PSYC C1000. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:PSY 110).

Public Health Science (PHS)

Division: Kinesiology

PHS 107 C Nutrition and World Food Issue**3 Units**

Formerly BIOL 107 C Term hours: 54 lecture. This course is a study of the biological basis of human nutrition, including a survey of anatomical and physiological principles. A study of the human diet in the context of disease prevention, world food supply, and ecological factors will also be included. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC)(C-ID: NUTR 110)

PHS 280 C Introduction to Public Health (formerly KIN 280 C)**3 Units**

Formerly KIN 280 C. Term hours: 54 lecture. This course provides an introduction to the discipline of public health. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines is covered. Topics of the discipline include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management.(UC/CSU, AA GE, CalGETC, C-ID:PHS 101)

PHS 280HC Honors Introduction to Public Health (formerly KIN 280HC)**3 Units**

Formerly KIN 280HC. Term hours: 54 lecture. This honors course provides an enhanced comprehensive introduction to the discipline of public health. Students will gain an understanding of the concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines is covered. Topics of the discipline include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management. Duplicate credit not granted for KIN 280 C. (CSU/UC, AA GE, CalGETC, C-ID: PHS 101)

PHS 281 C Health and Social Justice (formerly KIN 281 C)**3 Units**

Formerly KIN 281 C. Term Hours: 54 hours lecture. This course provides an introduction to the health inequities in the United States that stem from unequal living conditions. Students will explore how education, socioeconomic status, racism and gender shape health epidemics and policy development. Theoretical frameworks will be used to assess and analyze public health issues. (UC/CSU, AA GE, CalGETC, C-ID:PHS 102).

PHS 281HC Honors Health and Social Justice (formerly KIN 281HC)**3 Units**

Formerly KIN 281HC. Term Hours: 54 lecture. This honors course provides comprehensive and enhanced study of health inequities in the United States that stem from unequal living conditions. Students will explore how education, socioeconomic status, racism and gender shape health epidemics and policy development. Theoretical frameworks will be used to assess and analyze public health issues. Duplicate credit not granted for KIN 281 C. (CSU/UC, AA GE, CalGETC, C-ID: PH 102).

PHS 283 C Women's Health (formerly KIN 283 C)**3 Units**

Formerly KIN 283 C. Term Hours: 54 lecture. This course analyzes the biological, psychological, and sociocultural aspects of women's health, and explores health services, health education, and healthcare delivery systems. Social determinants of health and health inequities are examined, as well as contemporary issues relating to LGBTQ+ rights, racism, ageism, gender stereotypes and gender roles, politics, and the role of women in the family, workforce, community, and society. Strategies for social and political change are developed. (UC Credit Limitation/CSU, AA GE, CalGETC) (C-ID: PH 116)

PHS 284 C Contemporary Personal Health (formerly KIN 284 C) 3 Units
Formerly PE 234 C and KIN 284 C. Term hours: 54 lecture. This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety. (UC Credit Limitation/CSU, AA GE, C-ID:PHS 100)

PHS 285 C Global and Community Health (formerly KIN 285 C) 3 Units
Formerly KIN 285 C. Term Hours: 54 lecture. This course explores the primary determinants of global health, inequalities in health status among nations, and current challenges, controversies and public policy priorities. (UC/CSU, AA GE, CalGETC) (C-ID: PH 109)

PHS 287 C Case Studies in Public Health 3 Units
Term hours: 54 lecture. This course presents case studies in various themes of public health practice to demonstrate how the principles of public health were established and continue to evolve. (UC/CSU, AA GE)

PHS 294 C Interpersonal Neurobiology and the Mind-Body Connection 3 Units
Term hours: 54 lecture. This course will explore research that provides insight into how contemplative practices such as mindfulness and meditation, contemporary psychological approaches, exercise, diet, and sleep alter brain function in positive ways to promote mental health and wellbeing. In addition to examining diseases related to stress response, the course will focus on how lifestyle choices can alter brain function and lead to enhanced states of mental health wellbeing, resilience and likelihood of decreasing mental health disorders in the future, through underlying neurobiological mechanisms that allow one to lead a life of fulfillment and wellbeing. Stress, the stress response, the relaxation response, and implications of neuroplasticity through the lens of interpersonal neurobiology will be examined. (CSU/UC, CalGETC, AA GE, C-ID: PH 107).

PHS 295 C Civic Engagement in Public Health (formerly KIN 289 C) 3 Units
Term hours: 54 lecture. This course focuses on community as a unit of identity, community, well-being, and social justice perspectives and initiatives to promote community health. Addresses community change and improvements in community well-being, with a focus on health equity research for action using principles and practice in the planning, facilitation and evaluation of public health education and trainings. This course covers basic theories and participatory methods, with a focus on meeting the needs of diverse communities and adult learners. (CSU/UC, AA GE)

PHS 296 C Whole Systems Integrative Health 3 Units
Term hours: 54 lecture. This course examines health, disease, healing, and medicine from an interdisciplinary perspective. Concepts and philosophies from traditional cultural healing systems and contemporary western medicine will be examined from psychological, sociological, biological, historical, and cultural perspectives. Topics covered include the history of western medical practices, principles of indigenous healing systems, the role of gender in healing, the effects of personality and emotions on health and disease, and integrative medicine. (UC/CSU, AA GE, C-ID: PH 106).

Radiologic Technology (RADT)

RADT 142 C Radiologic Electronics 4 Units
Term hours: 72 lecture. This is a course for students preparing for radiologic technology and medical sonography programs. Basic knowledge of scientific units, the structure of matter, electromagnetic radiation and sound energy, electromagnetism, the imaging system and tube, x-ray production and interaction with matter will be discussed. (CSU)

RADT 145 C Medical Imaging Terminology 3 Units
Term hours: 54 lecture. Introduction to the origin and derivation of medical language with focus on building terms, spelling, abbreviations, and pronunciations. Medical imaging terminology of the following body systems includes; musculoskeletal, neurological, cardiovascular, circulatory, respiratory, genitourinary, and endocrine. Terminology relating to neoplastic disorders and diagnostic imaging are discussed. Diagnostic imaging studies are analyzed and correlated with associated terminology. (CSU)

RADT 146 C Introduction to Radiography 4 Units
Term hours: 72 lecture. This course prepares the student for the radiography program. Material covered in this course include x-ray tube construction and production, radiographic quality and techniques, digital imaging, grid utilization, beam limitation, radiation protection, and quality assurance. (CSU)

RADT 147 C Medical Imaging Pathology 3 Units
Prerequisite(s): RADT 145 C or HS 145 C, and BIOL 210 C or BIOL 231 C
Term Hours: 54 lecture. This course is an introduction to the study of disease as it relates to diagnostic medical imaging. It includes the causes, signs, symptoms and diagnostic image presentation of common human diseases. The course acquaints the student with various pathologic conditions and their impact on imaging procedures. (CSU)

RADT 148 C Radiology Imaging Techniques (formerly Radiologic Technology) 4 Units
Prerequisite(s): Admission to Radiologic Technology Program
Term hours: 54 lecture and 54 laboratory. This course offers a study of the principles of radiographic technique, factors influencing radiographic quality, beam restricting devices and grid utilization. Also included are the physics and principles of digital imaging along with artifacts and quality control. Lab includes experiments with technical factors for improved image quality and written image analysis. \$50 materials fee payable at registration. (CSU)

RADT 150 C Radiographic Positioning I (formerly Radiologic Positioning) 5 Units
Prerequisite(s): Admission to the Radiologic Technology Program
Term hours: 72 lecture and 54 laboratory. This course offers positioning methods for the upper and lower extremities, pelvis, respiratory system, bony thorax, and abdomen along with practical applications of image evaluation and radiation protection. \$50.00 Material Fee - PAYABLE AT REGISTRATION.(CSU)

RADT 153 C Radiography Patient Care 3 Units
Term hours: 54 lecture. This course is a lecture/demonstration class to teach vital signs, medical emergencies, imaging procedures, aseptic techniques, drug administration, ethics, communication, body mechanics and infection control used by radiology personnel in working with patients. Students will be required to obtain cardiopulmonary resuscitation (CPR) certification from the American Heart Association. (CSU)

RADT 162 C Radiology Special Procedures**3 Units**

Prerequisite(s): Satisfactory completion of first semester in the Radiologic Technology Program

Corequisite(s): RADT 251 C and RADT 247 C, with a grade of C or better
Completion or concurrent enrollment in HS 147 C and RADT 148 C and RADT 150 C and RADT 153 C, with a grade of C or better. Term hours: 45 lecture and 27 laboratory. This course provides the student with the theory and practice of basic techniques of venipuncture and the administration of contrast media. Emphasis will be placed on the types of contrast agents used for the various radiographic procedures. The student will perform both simulated and live venipuncture for contrast media injection. Basic Pharmacology will be discussed. Special imaging modalities such as: Digital Angiography; Computerized Tomography; Magnetic Resonance Imaging; Medical Sonography; Nuclear Medicine; and Radiation Therapy will be surveyed. \$22 materials fee payable at registration. (CSU)

RADT 196 C Selected Topics I**1 Unit**

Prerequisite(s): RADT 148 C and RADT 153 C with a grade of C or better

Corequisite(s): RADT 254 C with a grade of C or better

Term hours: 18 lecture. This course is a comprehensive categorical review of radiologic technology to support the student in the clinical internship phase. Topics include patient care, image quality, and radiographic techniques. Case studies will be discussed. (CSU)

RADT 197 C Selected Topics II**1 Unit**

Prerequisite(s): RADT 196 C and RADT 254 C with a grade of C or better

Corequisite(s): RADT 255 C Term hours: 18 lecture

Comprehensive review of radiologic technology to support the student in the clinical internship phase. Topics include of routine and fluoroscopic positioning, special imaging procedures, radiation protection, and radiobiology. Case studies will be discussed. (CSU)

RADT 198 C Selected Topics III**1 Unit**

Prerequisite(s): RADT 255 C and RADT 197 C with grades of C or better

Corequisite(s): RADT 256 C with a grade of C or better

Term hours: 18 lecture. This course is a comprehensive review of radiologic technology to support the student in the clinical internship phase. Topics include of quality control and assurance, radiation physics, and medical law and ethics. Case studies will be discussed. (CSU)

RADT 247 C Radiographic Positioning II**5 Units**

Prerequisite(s): Satisfactory completion of first semester Radiologic Technology Program

Corequisite(s): RADT 162 C and RADT 251 C, with a grade of C or better
Completion of or concurrent enrollment in RADT 148 C, RADT 150 C, RADT 153 C and HS 147 C, with a grade of C or better. Term hours: 72 lecture and 54 laboratory. This course offers positioning methods for the skull, urinary system, vertebral column, and digestive system. Trauma positioning and surgical/mobile techniques are discussed along with image evaluation and radiation protection for all procedures. \$33 materials fee payable at registration. (CSU)

RADT 251 C Radiology Externship**7 Units**

Prerequisite(s): RADT 148 C and RADT 150 C, with a grade of C or better, and satisfactory completion of the first (Fall) semester in the Radiologic Technology Program

Corequisite(s): RADT 247 C with a grade of C or better

Term hours: 36 lecture and 288 hours in supervised training in an approved clinical affiliate. This course provides an introduction to specialized imaging exams to include fluoroscopy, hysterosalpingography, pediatrics, orthoroentgenography, mammography, arthrography, and myelography. The clinical externship will provide training in an approved clinical affiliate. (CSU)

RADT 252 C Radiobiology**1.5 Units**

Prerequisite(s): RADT 146 C and BIOL 231 C or BIOL 210 C and HS 145 C, with a grade of C or better

Term hours: 27 lecture. This course is designed to provide the principles of radiation interaction with cells, tissues, and the body as a whole. Factors affecting biological responses are presented, including early and late effects of radiation exposure. The principles of radiation protection along with the responsibilities of the radiographer for patients, personnel, and the public are included. (CSU)

RADT 253 C Radiation Laws and Ethics**1.5 Units**

Prerequisite(s): RADT 153 C with a grade of C or better

Term hours: 27 lecture. This course is an introduction to legal terminology, concepts, and principles for radiographers will be presented. Topics include misconduct, malpractice, legal and professional standards and the scope of practice. The importance of proper documentation and informed consent is emphasized. The student will examine a variety of ethical issues and dilemmas found in clinical practice. (CSU)

RADT 254 C Clinical Internship I**6.5 Units**

Prerequisite(s): RADT 162 C, RADT 247 C, RADT 251 C, RADT 252 C and RADT 253 C with a grade of C or better

Corequisite(s): RADT 196 C with a grade of C or better

Term hours: 400 laboratory. This course begins the internship phase of the Radiologic Technology Program. Students are assigned to selected clinical education centers which provide supervised clinical training in the Department of Radiology in affiliated hospitals. Internship of approximately 40 hours per week are subject to rearrangement by hospital/facility. Clinical experiences are designed to provide assessment of competent performance of radiologic imaging exams of the chest, abdomen and extremities. (CSU)

RADT 255 C Clinical Internship II**12 Units**

Prerequisite(s): RADT 254 C and RADT 196 C with grades of C or better

Term hours: 720 laboratory. This course continues the internship phase of the Radiologic Technology Program. Students are assigned to selected clinical education centers which provide supervised clinical training in the Department of Radiology in affiliated hospitals. Internship of approximately 40 hours per week are subject to rearrangement by hospital/facility. Clinical experiences are designed to provide assessment of competent performance of radiologic imaging of the spine, extremities, and digestive system. (CSU).

RADT 256 C Clinical Internship III**12 Units**

Prerequisite(s): RADT 197 C and RADT 255 C with grades of C or better

Corequisite(s): RADT 198 C

Term hours: 720 laboratory. This course is a continuation of the internship phase of the Radiologic Technology Program. Students are assigned to selected clinical education centers which provide supervised clinical training in the Department of Radiology in affiliated hospitals. Internship of approximately 40 hours per week are subject to rearrangement by hospital/facility. Clinical experiences shall be designed to provide patient care and assessment and competent performance of radiologic imaging exams including special procedures, surgical, trauma, and pediatric exams. (CSU)

RADT 262 C Cross-Sectional Imaging**1 Unit**

Term hours: 18 lecture. This course correlates knowledge and practice of diagnostic imaging with cross-sectional anatomy of the brain, skull, chest, thorax, spine, abdomen, and pelvis. Diagnostic imaging includes the ability to work with sonography, computerized tomography, and magnetic resonance imaging. A knowledge of medical terminology and anatomy is recommended. (CSU)

RADT 299 C Imaging Independent Study 0.5-2 Units**Prerequisite(s):** Approved Independent Learning Contract Term hours:

27-108 Laboratory hours

This course is designed for capable students enrolled in the Radiologic Technology Program or options of the program who wish to increase their knowledge and experience in applied areas. Students will participate in independent study on assigned areas under staff supervision. (CSU)

Recreation (REC)

REC 100 C Foundations of Recreation and Leisure Services 3 Units

Term hours: 54 lecture. This course is the foundation for an introduction to the broad field of recreation and leisure services. The class will include the relationship of recreation to the individual and society. This class is part of Recreation Assistant Certification. (CSU)

REC 102 C Recreation - Sport Leadership and Diverse Groups 3 Units

Term hours: 54 lecture. This course covers the application and development of leadership skills in the recreation setting. Emphasis on applicable leadership techniques including working with groups consisting of representatives from diverse populations such as those with disabilities or special needs, cultural and social differences, and diversity of all ages. This course will also look at diverse groups in sports, athletics, and leisure activities. (CSU, AA GE)

REC 298 C Recreation Seminar 0.5-12 Units**Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 0-432 laboratory depending on units attempted. This class will utilize a lecture/lab-activity approach to various topics in recreation. A variety of classes will be offered in order to introduce students to new experiences in recreation. Pass/No Pass/Letter Grade option. Fees may be required-Payable at Registration. (CSU)

Social Sciences (SOSC)

SOSC 298 C Social Sciences Seminar 0.5-12 Units**Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 and/or 432 laboratory depending on units attempted. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings a particular semester. Pass/No Pass/Letter Grade option. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

SOSC 299 C Social Science - Independent Study 1 Unit**Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: 18 lecture. This independent study course is for students who wish to extend their knowledge of a particular area through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so he/she could learn more regarding their special topic. May be taken for credit 4 times. (UC Credit Limitation/CSU)

Sociology (SOC)

SOC 101 C Introduction to Sociology 3 Units

Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C. Term hours: 54 lecture. This course is an analysis of human relationships through a study of cultural origins, personality development, social interaction, community organization, collective behavior, institutional growth, social change, and social movements. Duplicate credit not granted for SOC 101HC. (UC/CSU, AA GE, CalGETC, C-ID: SOCI 110)

SOC 101HC Honors Introduction to Sociology 3 Units**Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is an enhanced version of Introduction to Sociology for honors students. This course is an analysis of human relationships through a study of cultural origins, personality development, social interaction, community organization, collective behavior, institutional growth, social change, and social movements. Duplicate credit not granted for SOC 101 C. (UC/CSU, AA GE, CALGETC, C-ID: SOCI 110)

SOC 102 C Social Problems 3 Units**Advisory:** Completion of SOC 101 C with a grade of C or better and eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is an identification and analysis of selected contemporary social problems in American society and around the world. It includes problems of overpopulation, environmental destruction, war, race, poverty, sex inequality, aging, drug abuse, health, crime and violence. Alternative approaches to the resolution of these problems and identification of institutions and organizations involved in their resolution are emphasized. (UC/CSU, AA GE, CALGETC, C-ID: SOCI 115)

SOC 125 C Sociology Research Methods 3 Units**Prerequisite(s):** Completion of SOC 101 C**Advisory:** Completion of STAT C1000 (MATH 120 C), or MATH 120PC, or PSY 161 C, SOC 161 C, or equivalent

Term hours: 54 lecture. This course examines fundamental elements of qualitative and quantitative empirical research and the social science use of critical thinking. The scientific methods include attention to the role of theory in research, hypotheses, variables, sampling, data collection, analysis, research ethics, and written results. Application of analytic tools include logic and research design, such as survey, observation, experiments, case study, and comparative historical research. (CSU/UC, AA GE, CalGETC, C-ID: SOC 120)

SOC 161 C Probability and Statistics-Social Sciences 4 Units

Prerequisite(s): Successful Completion of Pre-Statistics or Intermediate Algebra or equivalent with a grade of C or better

Term hours: 72 lecture. This course provides an introduction to fundamental statistical concepts relevant to the social sciences but applicable to all disciplines. A conceptual approach is used to introduce students to topics of descriptive and inferential statistics including sampling, probability, central tendency, variability, correlation, regression, point estimation, interval estimation, and hypothesis testing. Also introduced are non-parametric statistics, such as chi-square, and parametric statistics, such as t-tests and ANOVA. The course includes applications of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications use data from the behavioral and social sciences of psychology, sociology, anthropology, geography, economics, political science and the life sciences, health sciences, and education. This course is open to all students who meet the prerequisite, and it is required for psychology majors. This course is strongly recommended for all social sciences majors. Students who receive credit for this course may not receive credit for STAT C1000 (MATH 120 C) or MATH 120PC. Duplicate credit not granted for SOC 161HC, PSY 161 C, or PSY 161HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: MATH 110 and SOCI 125)

SOC 161HC Honors Probability and Statistics-Social Sciences 4 Units

Prerequisite(s): Successful completion of Pre-Statistics or Intermediate Algebra or equivalent with a grade of C or better

Term hours: 72 lecture. This honors course provides an introduction to fundamental statistical concepts relevant to the social sciences but applicable to all disciplines. A conceptual approach is used to introduce students to topics of descriptive and inferential statistics including sampling, probability, central tendency, variability, correlation, regression, point estimation, interval estimation, and hypothesis testing. Also introduced are non-parametric statistics, such as chi-square, and parametric statistics, such as t-tests and ANOVA. The course includes applications of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications use data from the behavioral and social sciences of psychology, sociology, anthropology, geography, economics, political science and the life sciences, health sciences, and education. This course is open to all students who meet the prerequisite, and it is required for psychology majors. This course is strongly recommended for all social sciences majors. Students who receive credit for this course may not receive credit for STAT C1000 (MATH 120 C) or MATH 120PC. Duplicate credit not granted for SOC 161 C, PSY 161 C or PSY 161HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: MATH 110 and SOCI 125)

SOC 225 C Sociology of Women 3 Units

Advisory: Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course covers an identification and analysis of the status of women in American society. Sociological issues pertinent to the conditions of women are examined, such as the social construction of gender, feminism, women's health, sexuality, relationships, employment, and familial roles. (UC/CSU, AA GE, CSU GE, IGETC/C-ID: SOCI 140)

SOC 250 C Sociology of Aging 3 Units

Term hours: 54 lecture. The course explores the concept of aging and sociological/cultural theories of aging. The gender, cross-cultural, economic, political, and social policy aspects of aging in society and the world are examined. Critical life issues for elders and for those who live and work with them are explored. These issues include empowerment, caregiving, social support, living arrangements, elder abuse, work, retirement, quality of life, and death and dying. (UC/CSU, AA GE, CalGETC)

SOC 275 C Marriage and Family 3 Units

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a study of the sociological factors involved in family relationships, courtship, marital adjustments and parenthood. This course examines various patterns of marriage and families within the United States. (UC/CSU, AA GE, CalGETC, C-ID: SOCI 130)

SOC 277 C Sociology of Religion 3 Units

Advisory: Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

Term hours: 54 lecture. This course is an analysis of religion as a social institution. Emphasis will be placed on the influence that religion has on American society by examining the role religion plays in people's lives, and legitimate existing social and economic arrangements. (UC/CSU, AA GE, CSU GE, IGETC)

SOC 280 C Media, Culture, and Society 3 Units

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a critical analysis of media and culture from a sociological perspective, including the ways in which media is shaped and influenced by society, culture and individuals. Topics include the role of media in ideology, identity and interaction; race, class and gender; economics and politics; social change, technology and globalization. (CSU/UC, AA GE, CalGETC)

SOC 290 C Sociology of Contemporary Race and Ethnic Relations 3 Units

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course is a sociological analysis of race, ethnicity and racism. Coursework includes an examination of cultural, political, and economic practices and institutions that support or challenge racism, racial and ethnic inequalities, as well as patterns of interaction between various racial and ethnic groups. (CSU/UC, AA GE, CalGETC)

SOC 292 C Introduction to Criminology 3 Units

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. This course presents a scientific analysis of the nature, extent, and causes of violations of societal rules of behavior that are formally defined as crime and delinquency. The course includes an analysis of the theoretical perspectives that led to the development of criminal law and the administration of criminal justice, the patterns of criminality and delinquency, the impact of crime on social change, and the labeling, identification, characteristics, and the treatment of criminals and delinquents. (UC/CSU, AA GE, CalGETC, C-ID: SOCI 160)

SOC 298 C Sociology Seminar 0.5-12 Units

Prerequisite(s): May be required

Corequisite(s): May be required

Advisory: May be required

Term hours: 0-216 lecture and/or 432 laboratory depending on units attempted. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings in a particular semester. Pass/No Pass/Letter Grade Option or Standard Letter Grade. Fees may be required-Payable at Registration. (UC Credit Limitation/CSU)

SOC 299 C Sociology Independent Study**1 Unit****Prerequisite(s):** Approved Independent Study Learning Contract

Term hours: 18 lecture. This independent study course is for students who wish to extend their knowledge of a particular area through individual research and study. It is thought that topics might develop out of a curiosity stimulated in a regular class. Students would then contact the supervising instructor to develop a learning contract for their particular interest so that they could learn more regarding their chosen specific topic. (UC Credit Limitation/CSU)

Spanish (SPAN)

SPAN 098 C Spanish Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 432 laboratory depending on units attempted. This seminar course is for able students who wish to extend their knowledge of literature, language and culture through small group discussion. Pass/No Pass or Letter Grade Option. Fees may be required and payable at registration.

SPAN 101 C Elementary Spanish I**5 Units**

This course focuses on the acquisition of the four major skills in language learning: listening comprehension, speaking, reading, and writing. Included are the grammar and vocabulary necessary to develop proficiency and communicative competence in these four skill areas. Students are introduced to the culture, customs, history, and geography of Spain and other Spanish-speaking countries through lectures, presentations, photography, videos, film and reading assignments. This course is conducted primarily in Spanish and requires weekly assignments, so students may develop linguistic proficiency and cultural understanding at the elementary level. Pass/No Pass/Letter Grade Option. (CSU/UC Credit Limitation, AA GE, C-ID: SPAN 100)

SPAN 102 C Elementary Spanish II**5 Units****Prerequisite(s):** SPAN 101 C with grade of C or better, or one year of high school Spanish with a grade of C or better

Term hours: 90 lecture. This Spanish language and culture course continues to focus on the acquisition of the four major skills in language learning: listening comprehension, speaking, reading and writing. Included are the grammar and vocabulary necessary to increase proficiency and communicative competence in these four skill areas. Students broaden their knowledge of the customs, history, and geography of Spain and Latin America. This course is conducted primarily in Spanish and requires weekly assignments, so students may further their linguistic proficiency and cultural understanding of the Spanish-speaking world. Pass/No Pass/Letter Grade Option. (UC Credit Limitation/CSU, AA GE, LOTE, C-ID: SPAN 110)

SPAN 200 C Conversational Spanish**2 Units****Prerequisite(s):** SPAN 102 C with a grade of C or better, or two years of high school Spanish with a grade of C or better

Term hours: 36 lecture. The course emphasizes extensive practice in oral expression and listening comprehension at intermediate and advanced levels of competency. The materials used facilitate discussions on cultural appreciation, history, and geography of Spain and Latin America. Students will watch films and read articles from magazines, newspapers, and other current material. This course is conducted in Spanish. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE)

SPAN 201 C Spanish for Spanish Speakers I**5 Units****Prerequisite(s):** A native or near-native speaking knowledge of Spanish for those who have had little or no education in a Spanish-speaking country

Term hours: 90 lecture. This course is designed to address the language needs of students with Spanish speaking backgrounds who have little or no formal training in Spanish. Emphasis will be placed on composition, advanced reading comprehension, standard vs. vernacular usages, and cross-language interference. The course's aim is to reinforce oral expression and comprehension, develop writing skills, build a wider based vocabulary by reading Spanish language literature. Duplicate credit not given for SPAN 101 C or SPAN 102 C. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC, C-ID:SPAN 220)

SPAN 202 C Spanish for Spanish Speakers II**5 Units****Prerequisite(s):** Spanish 201 with a grade C or better

Term hours: 90 lecture. This course is designed for students who are fluent in spoken, informal Spanish and who need to improve their writing, reading, and grammar skills. It furthers the mastery of formal, written communication in Spanish at the intermediate/advanced level while integrating in Hispanic, Latin American, and Chicano culture through increased practice in intermediate/advanced level readings. The course focuses on language challenges that Spanish speakers still encounter at the intermediate/advanced level, such as orthography, the inappropriate mix of English and Spanish in specific contexts, and standard Spanish as contrasted to regional variations. This course is conducted entirely in Spanish. Duplicate credit not given for SPAN 203 C. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID:SPAN 230)

SPAN 203 C Intermediate Spanish III**4 Units****Prerequisite(s):** SPAN 102 C with a grade of C or better, or two years of high school Spanish with a grade of C or better is required

Term hours: 72 lecture. The primary goal of this course is to develop intermediate proficiency in Spanish at the Intermediate-mid to Intermediate-high level (as established by the American Council on the Teaching of Foreign Languages Proficiency Guidelines, 2012). This course develops intermediate Spanish skills in listening, speaking, reading, and writing based on Spanish cultural and literary materials. Students are expected to learn to use Spanish for communication in real and meaningful situations. This course emphasizes oral communication, provides an expanded review of key grammatical concepts, and discusses events and sociocultural issues in the Spanish-speaking world. This course is conducted in Spanish. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC, LOTE, C-ID: SPAN 200)

SPAN 204 C Intermediate Spanish IV**4 Units****Prerequisite(s):** SPAN 203 C with a grade of C or better or three years of high school Spanish with a grade of C or better

Term hours: 72 lecture. The primary goal of this course is to develop proficiency in Spanish at the Intermediate-high to Advanced-low level (as established by the American Council on the Teaching of Foreign Languages Proficiency Guidelines, 2012). This course develops intermediate-high Spanish skills in listening, speaking, reading, and writing based on Spanish cultural and literary materials. Students are expected to learn to use Spanish for communication in real and meaningful situations. This course emphasizes oral communication, provides an expanded review of key grammatical concepts, and discusses events and sociocultural issues in the Spanish-speaking world. This course is conducted in Spanish. Pass/No Pass/Letter Grade Option. (UC/CSU, AA GE, CalGETC, LOTE, C-ID: SPAN 210)

SPAN 298 C Spanish Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 432 laboratory depending on units attempted. This seminar is for able students who wish to extend their knowledge of literature, language and culture through small group discussion. Pass/No Pass or Letter Grade option. Fees may be required and payable at registration. (CSU/UC Credit Limitation)

SPAN 299 C Spanish Independent Study**0.5-2 Units**

This course is designed for able students who wish to increase their knowledge of the Spanish Language through individual study or research. Unit credit may range from ½ to 2 units in any given semester. Consult the class schedule to verify credit for a particular term. Pass/No Pass or Letter Grade option. (CSU/UC Credit Limitation)

Statistics (STAT)

STAT C1000 Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)**4 Units**

Prerequisite(s): Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra

Advisory: Through the multiple measures' evaluation process, students may be required to take MATH 120PC with the paired support course MATH 012 C

All students may take MATH 120PC with the support course MATH 012C. Term hours: 72 lecture. This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Topics also include measures of central tendency and dispersion, sampling techniques, parametric and non-parametric tests of hypotheses, and point and interval estimation. Applications to business, life sciences, health sciences, and social sciences are emphasized. Students will use computer software and/or graphing calculators for statistical analysis of various topics. This course requires the use of a graphing calculator comparable to the TI-83/84. Duplicate credit not granted for MATH 120PC, MATH 126 C, PSY 161 C, PSY 161HC, SOC 161 C, or SOC 161HC. (UC Credit Limitation/CSU, AA GE, CalGETC, C-ID: MATH 110 and SOCI 125).

Theatre Arts (THEA)

THEA 100 C Introduction to the Theatre**3 Units**

Term Hours: 54 lecture. This course is designed for those who wish to explore are of live theatre, with special attention given to a survey of all the contributing elements. The course prepares the student for other course offerings in the theatre curriculum. Admission to theatre performance not to exceed \$50.00. Pass/No Pass/Letter Grade Option.(UC/CSU, AA GE, CalGETC ,C-ID: THTR 111)

THEA 101 C Play Analysis**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term hours: 54 lecture

A basic approach to the analysis of a play script, intended to provide theatre students with the tools necessary to understand the literary text of a play, its structure and its application to work in performance, design and critical/historical studies. Admission to theatre performances not to exceed \$50.00. (UC/CSU,AA GE, C-ID: THTR 114)

THEA 102 C World Theatre History**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C Term Hours: 54 lecture

The student will investigate the influence of differing cultures, traditions, and technologies on the development of the theatre as a social institution through comparative study of plays, historical events, and the theatrical environment. Theatre practice from its origins through the mid 18th century will be studied. Plays are read for analysis of structure, plot, character and historical relevance. Admission to theatre performances not to exceed \$50.00. (UC Credit limitation, AA GE, CalGETC , C-ID: THTR 113)

THEA 105 C Musical Theatre History**3 Units**

Term hours: 54 Lecture. This course explores the uniquely American art form that is Musical Theatre. From its early development to the present time. Emphasis will be placed on the chronological examination of various musical theatre productions. Students will learn how the composers, librettists, lyricists, choreographers, directors and designers contributed to the formation and the popularity of musical theatre, as it exists today.(CSU/UC, AA GE)

THEA 107 C Diversity in American Theatre**3 Units**

Term Hours: 54 lecture America's ethnic, racial and cultural heritages and the struggles for social equality that have shaped American theatre, drama and performance will be explored. Duplicate credit not given for THEA 107HC. Admission to theatre performance not to exceed \$50.00. (UC Credit Limitation/CSU, AA GE, CalGETC)

THEA 107HC Honors Diversity in American Theatre**3 Units**

Term hours: 54 lecture This course is an enhanced study of America's ethnic, racial and cultural heritages and the struggles for social equality that have shaped American theatre, literature and performance. Duplicate credit not given for THEA 107C. Admission to theatre performance not to exceed \$50.00. (UC Credit Limitation/CSU, AA GE, CalGETC)

THEA 108 C Playwriting (formerly Stage and Screenwriting)**3 Units**

Advisory: Eligibility for ENGL C1000 (ENGL C1000) or ENGL C1000E (ENGL C1000E) or ESL 110 C

Term hours: 54 lecture. Beginning playwrights discover the basic craft of writing plays. This course will concentrate on student's current work and illustrations will be drawn from contemporary plays. Admission to theatre performances not to exceed \$50. (CSU, AA GE)

THEA 110 C Stage Management for Theatre**3 Units**

Term hours: 54 lecture. This course involves the study and the practical application of the role of the Stage Manager as they pertain to the theatrical production process. Emphasis is placed on the duties, responsibilities and procedures from pre-production to post-production. This course is required of all students who are interested in stage management positions for the Theatre Arts Department productions. Pass/No Pass/Letter Grade option. (CSU/UC)

THEA 111 C Industry Prep for Theatre**3 Units**

Term hours: 54 lecture. This course is designed as preparation for students interested in pursuing theatre as a professional career. Students will learn resume and portfolio building skills as well as interviewing skills and self-marketing. Pass/No Pass/Letter Grade option.

THEA 120 C Acting I**3 Units**

Term hours: 36 lecture and 72 laboratory. Acting methods of the modern actor will be studied. Students will use craft preparations which will enable them to bring emotional and behavioral truth to the roles they create. Exercises in relaxation, sensory awareness, emotional freedom and the creation of truthful behavior will be practiced. Pass/No Pass/Letter Grade Option. Admission to theatre performances not to exceed \$50.00. (UC/CSU, AA GE, C-ID:THTR 151)

THEA 121 C Dynamic Movement for the Stage**2 Units**

Term Hours: 18 lecture and 54 laboratory Students learn the art of physical communication. Students will discover and explore structured physical play, unarmed stage combat and stimulus response exercises. Basic anatomy as it relates to motion and communication will be examined. This class is designed for actors and all students. Admission to theatre performances not to exceed \$50.00.(UC/CSU)

THEA 122 C Improvisation Technique**2 Units**

Term hours: 18 lecture and 54 laboratory. This course involves the principles and techniques of improvisational acting designed to increase the actor's creativity, problem solving, collaboration and performance skills. This course also develops student awareness of the importance of the cooperative dynamics of theatre, television and film and the value of the individual actor's creative process as well as emphasizing the individual performance, ensemble work and the development of the actor's physical, vocal, and emotional instrument as it relates to performance (UC/CSU).

THEA 124 C Acting II**3 Units**

Prerequisite(s): THEA 120 C with a grade of C or better or Audition

Advisory: Concurrent enrollment or completion of THEA 121 C or THEA 129 C

Term hours: 36 lecture and 72 laboratory. In this course, actors will proceed to a more advanced exploration and mastery of the basic craft of acting. Actors will learn specific skills for preparing a role and for creating and experiencing the imaginary realities that fulfill a script. Admission to theatre performance not to exceed \$50.00. (UC/CSU/C-ID: THTR 152)

THEA 125 C Acting III**3 Units**

Prerequisite(s): THEA 124 C with a grade of C or better

Term hours: 36 lecture and 72 laboratory. In this course, actors will proceed to an advanced exploration and mastery of the basic craft of acting with an emphasis on fulfilling the demands characterization. Admission to theatre performances not to exceed \$50. (UC/CSU)

THEA 126 C Musical Theatre Techniques I**3 Units**

Term Hours: 36 lecture and 72 laboratory Students will investigate performance techniques of musical theatre as they relate to the onstage performer. Established musical theatre repertoire will be covered and performance in a workshop setting of musical theatre literature is required. Admission to theatre performances not to exceed \$50.00. (UC/CSU, AA GE)

THEA 127 C Musical Theatre Techniques II**3 Units**

Prerequisite(s): Audition

Advisory: THEA 126 C

Term hours: 36 lecture and 72 laboratory. In this course, students will explore the synthesis of singing and movement as it applies to musical theatre performance and auditions This course is designed for the performance oriented student. Admission to theatre performances not to exceed \$50.00. (UC/CSU)

THEA 128 C Acting for the Camera**2 Units**

Term hours: 18 lecture and 54 laboratory. In this course, students will master the fundamental craft of acting for television and feature film. Guidelines for solving the specific demands the camera makes on the actor will be stressed. Pass/No Pass/Letter Grade Option. Admission to Theatre Performances not to exceed \$50.00. (UC/CSU)

THEA 129 C Voice and Diction**3 Units**

Term hours: 54 lecture. This is a course in the study of and exercise in voice production and articulation with the goal of producing Standard American speech. Special attention is given to diction for actors, classroom teachers and students with minor speech defects. Stress is placed on individual exercises designed to give conscious control of speech functions. Pass/No Pass/Letter Grade Option. Admission to theatre performances not to exceed \$50.00 (UC/CSU, AA GE)

THEA 130 C Acting Workshop**2-3 Units**

Prerequisite(s): Audition

Term hours: 108-162 laboratory TBA depending on units attempted. This performance workshop course will emphasize the application of the principles and the craft of creative acting. Faculty and theater students will initiate and prepare performance projects for an invited audience and for theater festival competition. This course may be taken three times for credit. (CSU/UC/CSU GE)

THEA 132 C Musical Theatre Performance I**2-3 Units**

Corequisite(s): THEA 149 C or THEA 150 C or THEA 151 C or THEA 152 C.

Pre-requisite: Audition Term hours: 126-162 laboratory TBA depending on units attempted. The students will participate in the preparation of a musical production through acting, singing, dancing and/or instrumental accompaniment. Performers will make use of production elements and performance techniques. (UC/CSU, AA GE, C-ID: THTR 191)

THEA 133 C Rehearsal Performance I**2-3 Units**

Prerequisite(s): Audition Co-requisite: THEA 149 C or THEA 150 C or THEA 151 C or THEA 152 C

Term hours: 108-162 laboratory TBA This course teaches the practical application of acting and production techniques, i.e., acting, stage managing, backstage operations. Students participate in the rehearsal and performance of a public production occurring in the Theater Arts Department. (UC/CSU,AA GE, C-ID: THTR 191)

THEA 134 C Auditions for Theater and Film**1 Unit**

Prerequisite(s): Audition

Term hours: 18 laboratory. In this course, theater students will create and then perform audition presentations that demonstrate their proficiency in the fundamental skills of acting and auditioning. (CSU)

THEA 135 C Musical Theatre Performance II**2-3 Units**

Prerequisite(s): Audition Co-requisite: THEA 149 C or THEA 150 C or THEA 151 C or THEA 152 C Term hours: 126-162 laboratory TBA depending on units attempted

The students will participate in the development of a musical theater theatre production from rehearsal to public performance. They will synthesize singing, dancing and acting techniques into a cohesive performance. (UC/CSU)

THEA 136 C Rehearsal Performance II**2-3 Units**

Prerequisite(s): Audition Co-requisite: THEA 149 C or THEA 150 C or THEA 151 C or THEA 152 C with a grade of C or better

Term hours: 108-162 laboratory TBA This performance course concentrates on training students in the intermediate skills required of performing and preparing a public performance for the Theater Department. Production support in the areas of stage management, backstage operations, sound, makeup, costumes and house management are also taught. (UC/CSU)

THEA 137 C Summer Musical Theater Workshop I**1-2 Units****Prerequisite(s):** Audition

Pass/No Pass/Letter Grade option. Term hours: 54-108 laboratory. This musical theater performance laboratory course will introduce students to the basic skills of musical theater performance. Faculty and theater students will create and prepare performance projects for an invited audience. (UC/CSU)

THEA 138 C Summer Musical Theater Workshop II**1-2 Units****Prerequisite(s):** Audition Term hours: 54-108 laboratory

Pass/No Pass/Letter Grade option. This musical theater performance laboratory course will introduce students to the intermediate skills of musical theater performance. Faculty and theater students will create and prepare performance projects for an invited audience. (UC/CSU)

THEA 140 C Introduction to Theatre Design**3 Units**

Term Hours: 36 lecture and 54 laboratory Students will be offered a survey of scenery, lighting, sound, costumes, projections, makeup, properties, theatrical equipment and construction techniques through demonstration, and laboratory experience. Information is applicable to all formal theatrical applications. Admission to theatre performance not to exceed \$50.00. (UC/CSU, C-ID:THTR 172)

THEA 141 C Video and Projection Design for Theatre**3 Units****Advisory:** THEA 100 C

Term hours: 36 lecture and 54 laboratory. This course involves the study and execution of projection design for the stage with emphasis on equipment, control, media, creating original content and their relationship to live theatre. Admission to theatre performances not to exceed \$50. (CSU/UC)

THEA 142 C Sound Design for Theatre**3 Units**

Term hours: 36 lecture and 54 laboratory. In this course, students will be involved in recording studio procedure and equipment selection and use for theatre. The course covers the technical as well as the artistic use of sound recording for theatre. Emphasis will be placed on the practical use of audio equipment. Admission to theatre performances will not exceed \$50. (UC/CSU)

THEA 143 C Stagecraft**3 Units**

Term hours: 36 lecture and 54 laboratory. This course explores the planning and execution of scenic elements for the stage with an emphasis on design, construction and methods of shifting scenery. Admission to theatre performances will not exceed \$50. \$25 Materials Fee - Payable at Registration. (UC/CSU/C-ID: THTR 171)

THEA 144 C Lighting Design for Theatre**3 Units**

Term Hours: 36 lecture and 54 laboratory. This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design. Admission to theatre performances not to exceed \$50.00. (UC/CSU,C-ID:THTR 173)

THEA 145 C Costume Design for Theatre**3 Units**

Term Hours 36 lecture and 54 laboratory Students will study costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated. Admission to theatre performances will not exceed \$50. (UC/CSU, C-ID:THTR 174)

THEA 146 C Scenic Painting**3 Units**

Term hours: 36 lecture and 54 laboratory Various methods of painting theatrical scenery will be explored. Tools to be used will include brush, roller, sponges. Students will duplicate stucco, masonry, woodgrain, foliage, wallpaper ,lettering, drapery, and architectural detail on rigid scenery. Admission to theatre performances will not exceed \$50. \$30 Materials Fee - Payable at Registration. (UC/CSU)

THEA 147 C Stage Makeup**3 Units**

Term hours: 36 lecture and 54 laboratory. In this course, students will receive instruction and practice in a lecture/laboratory setting in all phases of makeup specifically designed for theatrical use. Admission to theater performances not to exceed \$50. (UC/CSU/C-ID: THTR 175)

THEA 148 C Production Techniques I**0.5-3 Units****Prerequisite(s):** Audition

Term hours: 27-162 laboratory hours depending on units attempted. This is an open entry/open exit class for students to obtain performance experience in theatre. It is open to students performers to fill in vacancies for a theatre department production. Pass/No Pass/Letter Grade Option. Concurrent enrollment in THEA 148C through THEA 152C is not allowed. (CSU)

THEA 149 C Stage Crew I - Running**1-2 Units**

Term Hours- 54-108 laboratory TBA This course offers students practical experience as members of a running crew for public theatre performances. Students will fulfill crewing assignments during final rehearsals and performances for theatre productions during the semester. (UC/CSU, AA GE, C-ID:THTR 192)

THEA 150 C Stage Crew II-Production Preparation**1-2 Units**

Term hours: 54-108 laboratory TBA. This course offers students practical experience as members of a construction, lighting, sound crew for public theater performances. Students will gain practical experience in the construction of scenery, properties, hanging/focusing lights and preparation of sound equipment for theatrical productions during the semester. (UC/CSU,CID-THTR 192)

THEA 151 C Stage Crew III Costume Makeup**1-2 Units**

Term hours:54-108 laboratory TBA This course offers students practical experience as members of a costume and makeup crew for public theatre performances. Students will gain practical experience in the construction of costumes and application of stage makeup. (UC/CSU,C-ID:THTR 192)

THEA 152 C Stage Crew IV House Box Office**1-2 Units**

Term hours: 54-108 laboratory TBA This course offers students practical experience as members of a house and box office crew for public theatre performances. Students will gain practical experience in house management and box office during performances. (UC/CSU, C-ID:THTR 192)

THEA 155 C Production Techniques II**0.5-3 Units**

Term Hours 27-162 hours laboratory. This is an open entry/open exit class for students to obtain production experience in theatre. It is open to student crew members to fill in vacancies for a theatre department production. Pass/No Pass/Letter Grade Option. Concurrent enrollment in THEA 148C through THEA 152C is not allowed. (CSU)

THEA 156 C Production Techniques III**0.5-3 Units**

Open Entry/Open Exit. Term hours: 27-162 laboratory. This course is for students to obtain production preparation experience in the theater. (CSU)

THEA 160 C Computer Drafting for Theatre**3 Units**

Term hours: 36 lecture and 54 laboratory. This course is an introduction to two-dimensional and three-dimensional computer-aided design/ drafting, and visualization for stage designers. Emphasis is placed on scenic drawings, light plots, creating and organizing industry-standard paperwork and documentation, for live productions. Admission to theatre performances not to exceed \$50. (CSU/UC)

THEA 161 C Scenic Design for Theatre**3 Units**

Term hours: 36 lecture and 54 laboratory. This course offers students training in the art of designing scenery for theatre, from conceptualization to realization. Computer Aided Drafting, model making, and other pre-visualization techniques will be explored. (UC/CSU)

THEA 220 C Acting IV**3 Units****Prerequisite(s):** THEA 125 C with a grade of C or better**Advisory:** THEA 121 C or THEA 129 C

Term hours: 36 lecture and 72 laboratory. In this course, students will develop and practice the fundamental skills required to perform dramatic literature that varies from classical texts to contemporary plays. Admission to theater performances not to exceed \$50. (CSU/UC)

THEA 225 C Directing for the Theatre**3 Units**

Eligibility for college-level composition or appropriate placement. Term hours: 36 lecture and 72 laboratory. The director's purpose in the theater theatre will be examined through current craft approaches and through a historical context. Practical experience in directing through class projects will be stressed. Admission to theatre performances not to exceed \$50.00. (UC/CSU)

THEA 226 C Musical Theatre Techniques III**3 Units**

Prerequisite(s): Audition Advisory: THEA 127 C Term Hours: 36 lecture and 72 laboratory The musical theater theatre actor will examine various styles of musical theatre as they apply to both solo and scene work The research and performance of musical theatre literature that varies from legitimate standard to pop contemporary styles will be required. Admission to theatre performances not to exceed \$50.00. (UC, CSU)

THEA 227 C Musical Theatre Techniques IV**3 Units**

Prerequisite: THEA 226 C or audition. Term hours: 36 lecture and 72 laboratory. The musical theatre actor will analyze the script and score of a piece of musical theatre repertoire and develop a performance using advanced musical theatre techniques. Admission to theatre performances not to exceed \$50.00. (UC/CSU)

THEA 228 C Advanced Acting for the Camera**2 Units****Prerequisite(s):** THEA 128 C or audition

Term hours: 18 lecture and 54 laboratory. Students will continue their exploration and mastery of craft approaches for television and film acting, including but not limited to advanced character development and special problems in performance preparation. Admission to Theatre Performances not to exceed \$50.00. Pass/No Pass/Letter Grade Option. (CSU)

THEA 230 C Directing Actors for Film TV**2 Units****Advisory:** Eligibility for ENGL C1000 or ENGL C1000E or ESL 110 C

THEA 228 C. Term hours: 18 lecture and 54 laboratory. Student directors will analyze screenplays and characters for the purpose of directing actors. Emphasis on staging scenes for the camera to elicit the best possible performances from the actors. (CSU)

THEA 232 C Musical Theatre Performance III**2-3 Units****Prerequisite(s):** Audition

Term hours: 106-162 laboratory TBA depending on units attempted. The students will prepare a work of musical theatre for public performance through play analysis, character analysis, style analysis and rehearsal, using vocal skills, choreographic movement and acting techniques. (UC/CSU)

THEA 233 C Musical Theatre Performance IV**2-3 Units****Prerequisite(s):** Audition

Term hours: 108-162 laboratory TBA. In this course, students will prepare and perform a work of musical theatre for public performance focusing on script obligations, character relationship, external and internal focus techniques, performance style choices and physical expression character driven action. (UC/CSU)

THEA 234 C Rehearsal Performance III**2-3 Units****Prerequisite(s):** Audition Corequisite: THEA 149 C or THEA 150 C or THEA 151 C or THEA 152 C

This is a performance - oriented course that concentrates on training students in the methodology and advanced skills of ensemble acting during a rehearsal period. Production support in the areas of stage management, backstage operations, sound, makeup, costumes, and house management are also introduced by practical involvement in the unique demands of producing an ensemble performance. (UC/CSU)

THEA 235 C Experimental Theatre**2 Units**

Term hours: 108 laboratory. This course consists of short-term projects in theatre production (selection to be made by the department). Projects may include student-directed, one act plays, touring shows and improvisational theatre shows. (UC/CSU)

THEA 236 C Summer Theater Workshop I**1-2 Units****Prerequisite(s):** Audition

Pass/No Pass/Letter Grade option. Term hours: 54-108 laboratory. This performance laboratory course will introduce students to the basic skills of new play development and innovative performance works. Faculty and theater students will evaluate, create and prepare performance projects for an invited audience. (CSU/UC)

THEA 237 C Summer Theater Workshop II**1-2 Units****Prerequisite(s):** Audition

Pass/No Pass/Letter Grade option. Term hours: 54-108 laboratory. This performance laboratory course will invest students with the intermediate skills of new play development and innovative performance works. Faculty and theater students will evaluate, create and prepare performance projects for an invited audience. Pass No/Pass Letter Grade Option. (CSU/UC)

THEA 238 C Rehearsal Performance IV**2-3 Units****Prerequisite(s):** Audition

Term hours: 108-162 laboratory TBA. Students will explore and develop further the advanced skills required for performance goals. Production skills in the areas of stage management, backstage operations, sound, makeup, costumes, and house management are acquired by practical involvement through performances. (UC/CSU)

THEA 247 C Prosthetic Makeup**3 Units****Prerequisite(s):** THEA 147 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. In this course, students will explore the techniques of special effects makeup. The basic construction of foam latex appliances, wounds and burns, bald cap application, and ventilated hair construction will be utilized. \$150 Materials Fee - Payable at Registration. (CSU)

THEA 298 C Theater Arts Seminar**0.5-12 Units****Prerequisite(s):** May be required**Corequisite(s):** May be required**Advisory:** May be required

Term hours: 0-216 lecture and/or 864 laboratory depending on units attempted. Various courses may be offered from semester to semester which are designed to meet the interests and needs of the students. Pass/No Pass/Letter Grade option. Fees may be required-Payable at Registration or for admission to theater performances. (UC Credit Limitation/CSU)

THEA 299 C Theatre Arts-Independent Study**0.5-2 Units****Prerequisite(s):** Approved Independent Study Contract.

Term hours: 27-108 Laboratory. This course is designed for students who wish to increase their knowledge of theater and/or theatrical practices through individual study or research. May be taken for credit 4 times. (CSU)

Degrees and Certificates

Listed below are programs of study offered by Cypress College and requirements for specific certificates and degrees.

Students are encouraged to meet with an academic counselor for individual education planning.

- Certificates with less than a total of 16 units or not State approved, will not appear on college transcripts.
- Certificates with more than a total of 16 units will be noted on transcript as Certificate of Achievement.

Any request for a course substitution or waiver may be discussed with a counselor and must be submitted for approval to the Admissions and Records Office.

NOTE: For students wanting to transfer to a university, schedule an appointment with a counselor. Students may also reference www.assist.org. Degrees and certificate programs are listed below by Instructional Divisions.

A

- Accounting
- Administration of Justice
- Air Conditioning and Refrigeration
- Anthropology
- Art
- Automotive Collision Repair
- Automotive Technology
- Aviation and Travel Careers

B

- Biology
- Business Administration
- Business Management

C

- Career Education
- Chemistry
- Chinese
- Communication Studies
- Computer Information Systems
- Computer Science
- Counseling and Student Development
- Court Reporting

D

- Dance
- Dental Assisting
- Dental Hygiene
- Diagnostic Medical Sonography

E

- Economics
- Education

- Engineering
- Engineering Technology
- English
- English as a Second Language (ESL)
- Ethnic Studies

F

- Foreign Language
- French

G

- Geography
- Geology
- Global Studies

H

- Health Information Technology
- Health Science
- Health Science - Continuing Education
- History
- Hotel, Restaurant, Culinary Arts
- Human Services

J

- Japanese
- Journalism and Media Studies

K

- Kinesiology

L

- Liberal Studies
- Library

M

- Marketing
- Mathematics
- Media Arts Design
- Merchandising
- Mortuary Science
- Music

P

- Philosophy and Religious Studies
- Photography
- Physical Science
- Physics
- Political Science
- Psychiatric Technology
- Psychology
- Public Health Science

R

- Radiologic Technology
- Recreation
- Registered Nursing Program for Licensed Vocational Nurses, Licensed Psychiatric Technicians, and Military Experience to RN

S

- Social Sciences
- Sociology
- Spanish

T

- Theatre Arts

Cypress College certifies that all courses numbered 100 C through 299 C in the following divisions are baccalaureate-level classes and are transferable to any campus of the California State University system for credit toward its baccalaureate degrees:

- **Business and Computer Information Systems**
- **Career Technical Education**
- **Counseling and Guidance**
- **Fine Arts**
- **Health Science**
- **Kinesiology**
- **Language Arts**
- **Science/Engineering/Mathematics**
- **Social Sciences**

Note: All Honors classes offered at Cypress College are transferable to any campus of the California State University system.

Accounting

Division: Business and Computer Information Systems

Division Dean

Dr. Treisa Cassens [Interim]

Faculty

Samreen Manjra
Ann Sheridan-Solis

Counselor

Robert Grantham

Accounting Transfer Program (AS-T Business Administration)

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.)

Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

-
- Accounting Associate in Science Degree
 - Accounting Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, and C-Critical Thinking, Problem Solving, and Information Competency Skills; specifically, the following ISLO/PSLO subcategories: A1-Business and Computer Information Systems, B1-Reading, B2-Writing, B3-Communicating, C1-Analysis, C2-Computation, and C5-Technology.

A student who completes the Accounting field of study will be able to:

- Acquire problem analysis skills including analyzing transactions, performing break even analysis, and utilizing accounting software to design suitable solutions.
- Enhance their employment opportunity in the specific area of accounting.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Accounting Associate in Science Degree

PROGRAM CODE: 1S03761
Financial Aid Eligible

This curriculum is designed to prepare the student for employment in the field of bookkeeping and general accounting. A graduate from this program should be equipped to meet the demands of any organization requiring skills in general accounting, cost accounting and analysis of financial information. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major

at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires 38 units in the major in addition to other graduation requirements.

Code	Title	Units
Required courses are listed in suggested sequence (38 units):		
ACCT 101 C	Financial Accounting	5
ACCT 102 C	Managerial Accounting	5
ACCT 107 C	Computerized Accounting with QuickBooks	3
CIS 111 C	Computer Information Systems	3
CIS 132 C	Spreadsheet-Excel for Windows	4
BUS 111 C	Business Communications	3
or BUS 211 C	Writing for Business	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
or ECON 110 C	Survey of Economics	
ACCT 201 C	Intermediate Accounting I	3
ACCT 202 C	Cost Accounting	3
ACCT 205 C	Ethics in Accounting	3
CIS 170 C	Introduction to Data Analytics	3
Total Units		38

Program Student Learning Outcomes:

Outcome 1: The mission of the AS Accounting degree is to provide a strong foundation in accounting for students interested in the AS Accounting degree with an education that will enable them to attain successful employment in the field of accounting. The curriculum is designed to prepare the student for employment in the field of general bookkeeping and accounting. A graduate from this program should be equipped to meet the demands of any organization requiring skills in general accounting, cost accounting and analysis of financial information.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1398

Accounting Certificate

PROGRAM CODE: 1C21094

Financial Aid Eligible

The **Accounting Certificate** is designed to prepare the student for entry level job positions and/or professional advancement in a wide variety of accounting jobs. These jobs include general accounting, governmental accounting, cost accounting, inventory management, asset management, credit and collections, financial analysis, etc. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 19-20 units.

Code	Title	Units
Required Courses are listed in suggested sequence (10 units):		
ACCT 101 C	Financial Accounting	5
ACCT 102 C	Managerial Accounting	5
Select three of the following courses (9-10 units):		9-10
ACCT 107 C	Computerized Accounting with QuickBooks	3

ACCT 201 C	Intermediate Accounting I	3
ACCT 202 C	Cost Accounting	3
ACCT 205 C	Ethics in Accounting	3
CIS 132 C	Spreadsheet-Excel for Windows	4
CIS 170 C	Introduction to Data Analytics	3

Total Units **19-20**

Program Student Learning Outcomes:

Outcome 1: The Business and Computer Information Systems department seeks to create a dynamic learning ecosystem that prepares students for careers, position advancements and/or higher-level degrees through practical, realworld and community experiences in and out of the classroom. This program is designed to prepare the student for entry level positions and/or professional advancement in a wide variety of accounting jobs. These jobs include general accounting, governmental accounting, cost accounting, payroll, inventory management, asset management, credit and collections, financial analysis, etc.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1399

Administration of Justice

Division: Career Technical Education

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Administration of Justice

The Homeland Transportation Security Certificate and the Administration of Justice Associate in Science for Transfer Degree prepare students to enter careers in criminal justice, corrections, forensic science, critical incident response, emergency management, security and loss prevention, law enforcement, human relations, procedural reporting, and homeland security. Learning methodologies are industry and community based with an emphasis in hands-on, real-life approaches that create an awareness of social and community issues in an effort to improve quality of life.

Division Website: Career Technical Education

- Administration of Justice Associate in Science Degree for Transfer (AS-T)
- Administration of Justice Certificate
- Career Technical Education - Homeland Security Associate in Science Degree
- Law, Public Policy and Society Associate in Arts for Transfer Degree (AA-T)
- Law, Public Policy and Society Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Career Technical Education, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Administration of Justice Associate in Science Degree for Transfer (AS-T)

Division: Social Sciences

PROGRAM CODE: 1S37048
Financial Aid Eligible

The **Administration of Justice Associate in Science Degree for Transfer (AS-T in AJ)** is designed to provide an Associate in Science Degree in Administration of Justice for Transfer (AS-T in AJ) for students who would like to transfer to a California State University (CSU) and major in Administration of Justice or Criminal Justice. The Administration of Justice discipline examines the structure, functions, laws and procedures, and decision-making processes of agencies that deal with crime management, such as police, prosecutors, courts, and correctional facilities. This curriculum offers students the opportunity to learn skills necessary for working with local, state, or federal law enforcement agencies and will demonstrate commitment to the field and provide comprehensive preparation for upper-division work. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college's or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as

those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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," a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AS-T in Administration of Justice, students must complete the following requirements: (1) a minimum of 18 semester units or 27 quarter units in the major or area of emphasis with a minimum grade of "C" in those courses; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core Courses (6 units) are listed in suggested sequence:		6
AJ 110 C	Introduction to Criminal Justice	3
AJ 120 C	Concepts of Criminal Law	3
List A (6 units):		6
AJ 140 C	Criminal Investigation	3
AJ 160 C	Community and the Justice System	3
List B: Select two (6-7 units)		6-7
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	3
SOC 102 C	Social Problems	
CIS 111 C	Computer Information Systems	3
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	3
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	3
PHIL 170 C	Logic and Critical Thinking	
or PHIL 172 C	Critical Thinking and Writing	
Total Units		18-19

Program Student Learning Outcomes:

OUTCOME 1: This CTE and Transfer Degree is also intended to prepare a student to meet the main competencies for entrance into a career in local, state, or federal law enforcement, including police and homeland security related careers with the FBI, DEA, Secret Service, Border Patrol,

or Federal Air Marshalls. The specific program learning outcomes provide that a student who completes this program . . .

OUTCOME 2: Will have acquired the specified set of skills required for entry-level employment opportunities in law enforcement

OUTCOME 3: Will have achieved the necessary competencies, including verbal, written, and critical thinking skills, to be successful in training for a career in law enforcement

OUTCOME 4: Will have prepared a career portfolio to plan for additional educational and career advancement opportunities within the administration of justice* A student who completes an Associate in Science in Administration of Justice AS-T will have completed the discipline requirements above.

OUTCOME 5: Will also possess a breadth of knowledge and experiences from the areas of the humanities and arts; the natural sciences and mathematics; the social sciences; and physical education

OUTCOME 6: Will also possess skills for life-long learning in oral and written communication; human adaptability and health; critical thinking, including deductive/inductive reasoning, problem-solving, and quantitative/qualitative reasoning; and information competency.

OUTCOME 7: Will also possess an understanding of civic society and culture in the areas of citizen rights and responsibilities; the role of diversity in modern society; and the nature of ethical decision-making*
*The specific discipline and general education knowledge, skills, competencies, civic and cultural understanding expectations can be found in the Student Learning Outcomes (SLOs) identified for each course listed in the course and in the general education requirements.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=862

Administration of Justice Certificate

Division: Career Technical Education

PROGRAM CODE: 1C39278

Financial Aid Eligible

The **Administration of Justice Certificate** examines the structure, functions, laws and procedures, and decision-making processes of agencies that deal with crime management, such as police, prosecutors, courts, and correctional facilities. This curriculum offers students the opportunity to learn skills necessary for working with local, state, or federal law enforcement agencies and will demonstrate commitment to the field and provide preparation for transfer and upper-division work. To earn the Administration of Justice Certificate, students must complete the following requirements: (1) a minimum of 18 semester units or 27 quarter units in the major or area of emphasis with a grade of C or better in those courses and have a minimum overall grade point average (GPA) of 2.0. This certificate requires a total of 18-19 units. At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required Core Courses are listed in suggested sequence (12 units):		
AJ 110 C	Introduction to Criminal Justice	3
AJ 120 C	Concepts of Criminal Law	3

AJ 140 C	Criminal Investigation	3
AJ 160 C	Community and the Justice System	3
Select from the list below (6-7 units):		6-7
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	
SOC 102 C	Social Problems	3
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
CIS 111 C	Computer Information Systems	3
PHIL 170 C	Logic and Critical Thinking	3
or PHIL 170HC	Honors Logic and Crit Thinking	
PHIL 172 C	Critical Thinking and Writing	3
Total Units		18-19

Program Student Learning Outcomes:

OUTCOME 1: The Administration of Justice Certificate of Achievement offers students the opportunity to learn the foundational skills necessary for working with local, state, or federal law enforcement and homeland security agencies while demonstrating commitment to the field and providing preparation for the Administration of Justice AST degree and upper-division work. The specific program learning outcomes provide that a student who completes this program.

OUTCOME 2: Will have acquired the specified set of skills required for entry-level employment opportunities in law enforcement

OUTCOME 3: Will have achieved the necessary competencies, including verbal, written, and critical thinking skills, to be successful in training for a career in law enforcement

OUTCOME 4: Will have prepared a career portfolio to plan for additional educational and career advancement opportunities within the administration of justice.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1182

Career Technical Education - Homeland Security Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S37218

Financial Aid Eligible

The **Career Technical Education Associate in Science Degree with Area of Emphasis in Homeland Security** provides CTE students

with the opportunity to earn a 60-unit degree that demonstrates commitment to the field and meets the CalGETC general education requirements. Students should consult with a counselor when planning to complete this degree for more information on university admission and transfer requirements. The courses listed for each area of emphasis do not necessarily reflect major preparation requirements at any specific university but some courses may be used to fulfill university requirements. To earn the CTE AS Degree with Homeland Security emphasis, students must complete the following requirements: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 21 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Core Courses (6 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 112 C	Homeland Security	3
Electives - students must complete 15 units from the following:		15
ATC 116 C	Aviation and Transportation Security	3
ATC 118 C	Disaster Preparedness Response	3
ATC 182 C	Cultural Tourism	3
ATC 256 C	Crew Resource Management	3
ATC 274 C	Passenger Services and Safety	3
AJ 110 C	Introduction to Criminal Justice	3
AJ 120 C	Concepts of Criminal Law	3
Total Units		21

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will have the opportunity to earn a 60-unit degree that demonstrates commitment to the field and meets the CalGETC general education requirements.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1683

Law, Public Policy and Society Associate in Arts for Transfer Degree (AA-T)

Division: Career Technical Education

PROGRAM CODE: 1A39650

Financial Aid Eligible

The Law, Public Policy and Society Associate in Arts Degree for Transfer has been identified as good preparation for law school upon completion of a bachelor's degree. This interdisciplinary area of emphasis emphasizes the development of communication skills, introduces students to the legal field, and prepares students for further study in a variety of majors. Students who opt to pursue this course of study are encouraged to engage in further exploration of one or more specific majors as they select electives for degree completion. This curriculum specifically

prepares the prospective transfer student for upper division coursework in a variety of majors such as: American Studies, Communications, Criminal Justice, Criminology, Global Intelligence and National Security, International Relations, Philosophy, Political Science, Social and Behavioral Sciences or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. Students completing these degrees (AA-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AA-T in Law, Public Policy and Society students must complete the following requirements: (1) a minimum of 33-34 semester units or 49.5-51 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, A P(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (3) California General Education Transfer Curriculum (Cal-GETC) pattern, (4) 60 semester or 90 quarter CSU-transferable units, and (5) attainment of a minimum grade point average (GPA) of 2.0. This degree requires a total of 33-34 units in addition to other graduation requirements.

Code	Title	Units
Required Core Courses (27 units):		
AJ 110 C or AJ 120 C or BUS 240 C	Introduction to Criminal Justice Concepts of Criminal Law Legal Environment of Business	3
PHIL 160 C	Introduction to Ethics	3
COMM C1000 or COMM C1000H or COMM 124 C or COMM 135 C	Introduction to Public Speaking (formerly COMM 100 C Human Communication) Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication) Small Group Communication Argument and Critical Thinking	3
ENGL C1000 or ENGL C1000H	Academic Reading and Writing (formerly: ENGL 100 C College Writing) Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	4
ENGL C1001 or ENGL C1001H	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing) Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	4

STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4
or MATH 120PC	Introduction to Probability and Statistics	
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
HIST 170 C	History of the United States I	3
or HIST 170HC	Honors History of the United States I	
or ETHS 131 C	African-American History II	
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	3
or POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government)	

List A Select 6-7 units 6-7

(Note: courses must not have been used above)

Administration of Justice, Criminal Justice and Criminology Courses:

AJ 110 C	Introduction to Criminal Justice	3
AJ 120 C	Concepts of Criminal Law	3
AJ 160 C	Community and the Justice System	3

Business Courses:

BUS 240 C	Legal Environment of Business	3

Economics Courses:

ECON 100 C	Principles of Economics-Macro	3
or ECON 100HC	Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	

Political Science Courses

POSC 120 C	Political Theory	3
POSC 200 C	Introduction to Political Science	3
POSC 215 C	Comparative Politics	3
POSC 230 C	International Relations	3

Public Policy Courses:

ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
HUSR 240 C	Drugs and Alcohol in Our Society	3
JOUR 140 C	Public Relations	3
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3

Diversity Courses:

ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
GEOG 160 C	Cultural Geography	3

Perspectives of Under-Represented Groups Courses:

ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
ETHS 151 C	Chicana-o-x History I	3

ETHS 152 C	Chicana-o-x History II	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues	3
ETHS 160 C	Native American History I	3
ETHS 171 C	Asian Pacific American History	3
HIST 270 C	Women in United States History	3

College Success Courses:

COUN 105 C	Stress and Anxiety Management	1
COUN 150 C	Academic and Life Success	3
COUN 151 C	Career and Life Planning	3

Internship and Fieldwork Courses:

HUSR 210 C	Introductory Fieldwork	3
HUSR 211 C	Advanced Fieldwork	3

Total Units 33-34

Program Student Learning Outcomes:

OUTCOME 1: At the end of this program, students will be able to demonstrate knowledge and understanding essential to the development of personal, civic, and social responsibility within a career in the law.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1745

Law, Public Policy and Society Certificate

Division: Career Technical Education

PROGRAM CODE: 1C44261

The focus of coursework in this certificate is an interdisciplinary study and breadth in humanities, sciences, and liberal arts, such as anthropology, business, accounting, English, history, philosophy, mathematics, sociology, economics, political science, and psychology. This certificate will introduce students to the legal field, and prepares students for further study in a variety of majors, specifically this certificate pathway will lead students to the Associates in Art for Transfer Degree in Law, Public Policy and Society. This certificate requires a total of 33-34 units.

Code	Title	Units
Required Core: (27 units):		
AJ 110 C	Introduction to Criminal Justice	3
or AJ 120 C	Concepts of Criminal Law	
or BUS 240 C	Legal Environment of Business	
PHIL 160 C	Introduction to Ethics	3
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	3
or COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
or COMM 124 C	Small Group Communication	
or COMM 135 C	Argument and Critical Thinking	
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
or ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	

ENGL C1001	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing)	4
or ENGL C1001H	Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
or MATH 120PC	Introduction to Probability and Statistics	
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
HIST 170 C	History of the United States I	3
or HIST 170HC	Honors History of the United States I	
ETHS 131 C	African-American History II	3
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	3
or POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government)	

Restricted Electives: (6-7 Units): 6-7*(Note: courses must not have been used above)*

<i>Administration of Justice/Criminal Justice/Criminology</i>		
AJ 110 C	Introduction to Criminal Justice	3
AJ 120 C	Concepts of Criminal Law	3
AJ 160 C	Community and the Justice System	3
<i>Business:</i>		
BUS 240 C	Legal Environment of Business	3
<i>Economics:</i>		
ECON 100 C	Principles of Economics-Macro	3
or ECON 100HC	Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105 C	Principles of Economics-Micro	
<i>Political Science:</i>		
POSC 120 C	Political Theory	3
POSC 200 C	Introduction to Political Science	3
POSC 215 C	Comparative Politics	3
POSC 230 C	International Relations	3
<i>Public Policy:</i>		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
HUSR 240 C	Drugs and Alcohol in Our Society	3
JOUR 140 C	Public Relations	3
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	PHS 281HC
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
<i>Diversity:</i>		
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
GEOG 160 C	Cultural Geography	3
<i>Perspectives of Under-Represented Groups:</i>		

ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues	3
ETHS 160 C	Native American History I	3
ETHS 171 C	Asian Pacific American History	3
HIST 270 C	Women in United States History	3
<i>College Success:</i>		
COUN 105 C	Stress and Anxiety Management	1
COUN 150 C	Academic and Life Success	3
COUN 151 C	Career and Life Planning	3
<i>Internship/Fieldwork:</i>		
HUSR 210 C	Introductory Fieldwork	3
HUSR 211 C	Advanced Fieldwork	3

Total Units 32-33**Program Student Learning Outcomes:**

OUTCOME 1: At the end of this program, students will be able to demonstrate knowledge and understanding essential to the development of personal, civic, and social responsibility within a career in the law.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1746

Air Conditioning and Refrigeration

Division: Career Technical Education

Air Conditioning and Refrigeration

Air Conditioning & Refrigeration is a cool career with many avenues for specialization within the industry. This two-year program is designed to equip you with the basic skills for industry entry-level positions in service, design, controls application, sales and more.

The Air Conditioning, Heating and Refrigeration industry provides essential technology services for the control of environments ranging from the comfort of people to the storage of essential products to the process of manufacturing goods used in everyday life.

A career in Air Conditioning and Refrigeration offers a variety of industry paths leading to greater job security and mobility of skills. With the Cypress College educational experience, you can enter this industry in areas of applied engineering, sales, estimating and design, service repair, construction, building automation and manufacturing. These industry job opportunities are rapidly expanding to accommodate the age of digital technologies interfacing with electromechanical and pneumatic technologies already in extensive use.

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Division Website: Career Technical Education

- Air Conditioning and Refrigeration Associate in Science Degree
- Air Conditioning and Refrigeration Certificate
- Air Conditioning and Refrigeration Project Management Certificate
- Air Conditioning Customer Service Certificate
- Automated Building Controls Associate in Science Degree
- Automated Building Controls Certificate
- Commercial Air Conditioning Certificate
- Commercial Refrigeration Certificate
- Heat Pump Certificate
- HVAC Building Commissioning Certificate
- HVAC Codes and Estimating Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Career Technical Education, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Air Conditioning and Refrigeration Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S03774

Financial Aid Eligible

The **Air Conditioning and Refrigeration Associate in Science Degree** is designed as the bridge between Engineering and Service Technology. It will provide students with technical skills to support engineering applications. Graduates of the program will be at the leading edge of the application of new engineering solutions to production in industry. To earn an Associate Degree students must complete: (1) all 40 units of Air Conditioning & Refrigeration course requirements for the Certificate in Air Conditioning & Refrigeration with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 40 units.

Code	Title	Units
Required Courses are listed in suggested sequence (40 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 110 C	Air Flow Design & Psychrometrics	2
AC/R 120 C	Piping Practice, Tools and Safety	3
AC/R 137 C	Blueprints and Dimension Analysis (formerly AC/R 037 C)	2
AC/R 036 C	Refrigeration Certification Training (formerly titled Refrigerants, Charging and Recovery)	1
AC/R 055 C	Technician Customer Relations	1
AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
AC/R 115 C	Gas Heat Transfer Systems	3
AC/R 135 C	Sustainability Design and Application (formerly Solar Energy for Heat and Cool)	2
AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
AC/R 210 C	Commercial Refrigeration	3
AC/R 220 C	Introduction to Air Conditioning Controls (formerly A/C Controls and Energy Management)	2
AC/R 230 C	Heat Pumps	2
AC/R 205 C	Commercial Air Conditioning	3

AC/R 215 C	Codes and Commissioning (formerly Estimating for HVAC)	3
AC/R 245 C	Load Calculations for Heating and Cooling (formerly AC/R 145 C)	2
AC/R 235 C	Air Conditioning Capstone	2
Total Units		40

Program Student Learning Outcomes:

OUTCOME 1: Providing quality hands-on experiences on up-to-date equipment in a safe learning environment with training and observance of good safety practices.

OUTCOME 2: Providing the foundation of applied thinking skills and problem solving skills to succeed in the HVAC/R industry.

OUTCOME 3: Providing a platform for strong communication skills in every day life experiences.

OUTCOME 4: Providing a strong base of industry mandated knowledge, values and skills to be competitive in the economic environment.

OUTCOME 5: Providing an understanding of the varied and possible career paths in the HVAC/R industry.

OUTCOME 6: Providing those individuals currently working within the HVAC/R industry the opportunity to further their understanding, knowledge and skills in the field.

OUTCOME 7: Providing students with experiential training by experts in the field, as well as with direct contact with these industry professionals as a counseling and job placement tool.

OUTCOME 8: Providing students with an opportunity to obtain a certificate acknowledging their completion of the courses comprising the certificate, and a tool for obtaining gainful employment. The objective of this program is to provide these skills through traditional teaching methods with an emphasis on a practical, "hands-on" experiential education that will give the students an added "edge" in job market competition.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1582

Automated Building Controls Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S41721
Financial Aid Eligible

The **Automated Building Controls Associate in Science Degree** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in controls and energy management. This training also prepares students to install, service, operate, maintain, and troubleshoot building automation systems (BAS) in commercial buildings, controlling Heating, Ventilation, and Air Conditioning (HVAC) Systems, energy management systems, as well as lighting, life safety, and security systems. Students who complete this program can significantly impact building operation

and energy consumption. To earn an Associate Degree students must complete: 1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires a total of 41 units in the major, in addition to general graduation requirements.

Code	Title	Units
Required courses are listed in a suggested sequence: (41 units)		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 220 C	Introduction to Air Conditioning Controls (formerly A/C Controls and Energy Management)	2
AC/R 272 C	Fundamentals of Direct Current Electricity	3
AC/R 273 C	Introduction to Personal Computer Hardware and Software	2
AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
AC/R 137 C	Blueprints and Dimension Analysis (formerly AC/R 037 C)	2
AC/R 276 C	Automation Hardware	2
AC/R 277 C	Control Logic Programming	3
AC/R 215 C	Codes and Commissioning (formerly Estimating for HVAC)	3
AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
AC/R 275 C	System Networking	3
AC/R 274 C	Instrumentation for Hydronic and Air Distribution	2
AC/R 205 C	Commercial Air Conditioning	3
AC/R 278 C	Building Performance and Energy Auditing	3
AC/R 279 C	Building Automation Control Systems	2
AC/R 280 C	Automation Capstone Project	2
Total Units		41

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1261

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge, skills and competencies including recognizing inputs and outputs, setpoints desired for building comfort, programming of controllers to satisfy the sequence of operation criteria. necessary for employment as an entry level controls installation and service technician as well as a controls programmer.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1669

Air Conditioning and Refrigeration Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31173

Financial Aid Eligible

The **Air Conditioning and Refrigeration Certificate** the primary emphasis of this program is to prepare the student with job entry-level skills. Although further training must be done on the job, the student will have a strong background in fundamental skills of refrigeration, electricity, mathematics, communication skills, and drafting. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 40 units.

Code	Title	Units
Required Courses are listed in suggested sequence (40 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 110 C	Air Flow Design & Psychrometrics	2
AC/R 120 C	Piping Practice, Tools and Safety	3
AC/R 137 C	Blueprints and Dimension Analysis (formerly AC/R 037 C)	2
AC/R 036 C	Refrigeration Certification Training (formerly titled Refrigerants, Charging and Recovery)	1
AC/R 055 C	Technician Customer Relations	1
AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
AC/R 115 C	Gas Heat Transfer Systems	3
AC/R 135 C	Sustainability Design and Application (formerly Solar Energy for Heat and Cool)	2
AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
AC/R 210 C	Commercial Refrigeration	3
AC/R 220 C	Introduction to Air Conditioning Controls (formerly A/C Controls and Energy Management)	2
AC/R 230 C	Heat Pumps	2
AC/R 205 C	Commercial Air Conditioning	3
AC/R 215 C	Codes and Commissioning (formerly Estimating for HVAC)	3
AC/R 245 C	Load Calculations for Heating and Cooling (formerly AC/R 145 C)	2
AC/R 235 C	Air Conditioning Capstone	2
Total Units		40

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including fundamental skills in refrigeration, electricity, mathematics, communication, and drafting, necessary for entry level job positions.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1579

Air Conditioning and Refrigeration Project Management Certificate

Division: Career Technical Education

PROGRAM CODE: 1C37208

Financial Aid Eligible

The **Air Conditioning and Refrigeration Project Management Certificate:** Minor decisions can have a major impact to the success of a HVAC/R project. The Air Conditioning & Refrigeration Project Management examines industry specific technical management skills for quality project control. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 17 units.

Code	Title	Units
Required Courses (17 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 110 C	Air Flow Design & Psychrometrics	2
AC/R 120 C	Piping Practice, Tools and Safety	3
AC/R 215 C	Codes and Commissioning (formerly Estimating for HVAC)	3
AC/R 260 C	Crew Leadership-Field Supervisor	2
AC/R 265 C	Project Management	3
AC/R 055 C	Technician Customer Relations	1
Total Units		17

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including technical management skills for quality project control, necessary for entry level job positions.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1583

Air Conditioning Customer Service Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31188

Financial Aid Eligible

The **Air Conditioning Customer Service Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in customer service. Students completing this certificate will develop an advanced understanding of personal inter-relations of customer service. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 110 C	Air Flow Design & Psychrometrics	2
AC/R 137 C	Blueprints and Dimension Analysis (formerly AC/R 037 C)	2

AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
AC/R 115 C	Gas Heat Transfer Systems	3
AC/R 135 C	Sustainability Design and Application (formerly Solar Energy for Heat and Cool)	2
AC/R 245 C	Load Calculations for Heating and Cooling (formerly AC/R 145 C)	2
AC/R 055 C	Technician Customer Relations	1
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Providing quality hands-on experiences on up-to-date equipment in a safe learning environment with training and observance of good safety practices.

OUTCOME 2: Providing the foundation of applied thinking skills and problem solving skills to succeed in the HVAC/R industry.

OUTCOME 3: Providing a platform for strong communication skills in every day life experiences.

OUTCOME 4: Providing a strong base of industry mandated knowledge, values and skills to be competitive in the economic environment.

OUTCOME 5: Providing an understanding of the varied and possible career paths in the HVAC/R industry.

OUTCOME 6: Providing those individuals currently working within the HVAC/R industry the opportunity to further their understanding, knowledge and skills in the field.

OUTCOME 7: Providing students with experiential training by experts in the field, as well as with direct contact with these industry professionals as a counseling and job placement tool.

OUTCOME 8: Providing students with an opportunity to obtain a certificate acknowledging their completion of the courses comprising the certificate, and a tool for obtaining gainful employment. The objective of this program is to provide these skills through traditional teaching methods with an emphasis on a practical, "hands-on" experiential education that will give the students an added "edge" in job market competition.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1584

Automated Building Controls Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31189

The **Certificate in Automated Building Controls** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in controls and energy management. This training also prepares students to install, service, operate, maintain, and troubleshoot building automation systems (BAS) in commercial buildings, controlling Heating, Ventilation, and Air Conditioning (HVAC) Systems, energy management systems, as well

as lighting, life safety, and security systems. Students who complete this program can significantly impact building operation and energy consumption. To earn a Certificate, students must complete: (1) all major course requirements with a grade of C or better; (2) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 41 units.

Code	Title	Units
Required Courses (41 units):		
Courses are listed in suggested sequence		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
AC/R 205 C	Commercial Air Conditioning	3
AC/R 220 C	Introduction to Air Conditioning Controls (formerly A/C Controls and Energy Management)	2
AC/R 272 C	Fundamentals of Direct Current Electricity	3
AC/R 273 C	Introduction to Personal Computer Hardware and Software	2
AC/R 137 C	Blueprints and Dimension Analysis (formerly AC/R 037 C)	2
AC/R 276 C	Automation Hardware	2
AC/R 277 C	Control Logic Programming	3
AC/R 215 C	Codes and Commissioning (formerly Estimating for HVAC)	3
AC/R 275 C	System Networking	3
AC/R 274 C	Instrumentation for Hydronic and Air Distribution	2
AC/R 278 C	Building Performance and Energy Auditing	3
AC/R 279 C	Building Automation Control Systems	2
AC/R 280 C	Automation Capstone Project	2
Total Units		41

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including communication, practical knowledge, technical training, necessary for entry level job positions in energy management.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1578

Commercial Air Conditioning Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31186

Financial Aid Eligible

The **Commercial Air Conditioning Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in commercial

building air conditioning. Students completing this certificate will develop an advanced understanding of commercial building air conditioning. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 20 units.

Code	Title	Units
Required courses are listed in suggested sequence (20 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 110 C	Air Flow Design & Psychrometrics	2
AC/R 120 C	Piping Practice, Tools and Safety	3
AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
AC/R 115 C	Gas Heat Transfer Systems	3
AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
AC/R 205 C	Commercial Air Conditioning	3
Total Units		20

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including heating applications, service procedures and safety, necessary for pursuing a career in commercial building air conditioning.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1581

Commercial Refrigeration Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31171

Financial Aid Eligible

The **Commercial Refrigeration Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in Commercial Refrigeration. Students completing this certificate will develop an advanced understanding of commercial refrigeration. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 120 C	Piping Practice, Tools and Safety	3
AC/R 137 C	Blueprints and Dimension Analysis (formerly AC/R 037 C)	2
AC/R 036 C	Refrigeration Certification Training (formerly titled Refrigerants, Charging and Recovery)	1
AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3

AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
AC/R 210 C	Commercial Refrigeration	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills including the ability to analysis refrigeration systems performance and required temperature goals necessary employment as a installation and service technician.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1664

Heat Pump Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31192N

Financial Aid Eligible

The **Heat Pump Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in Heat Pump Technical Servicing. Students completing this certificate will develop an advanced understanding of heat pump systems. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 19 units.

Code	Title	Units
Required Courses are listed in suggested sequence (19 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 110 C	Air Flow Design & Psychrometrics	2
AC/R 120 C	Piping Practice, Tools and Safety	3
AC/R 036 C	Refrigeration Certification Training (formerly titled Refrigerants, Charging and Recovery)	1
AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
AC/R 135 C	Sustainability Design and Application (formerly Solar Energy for Heat and Cool)	2
AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
AC/R 230 C	Heat Pumps	2
Total Units		19

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including advanced knowledge of application of heat pumps and safety training for the EPA certification exam, necessary for a career in heat pump technical servicing.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1580

HVAC Building Commissioning Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31185N20

Financial Aid Eligible

The **HVAC Building Commissioning Certificate (formerly Air Conditioning Building Commissioning Certificate)** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in building commissioning certification. Students completing this certificate will develop an advanced understanding of the building commissioning process. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 20 units.

Code	Title	Units
Required Courses are listed in suggested sequence (20 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 110 C	Air Flow Design & Psychrometrics	2
AC/R 120 C	Piping Practice, Tools and Safety	3
AC/R 115 C	Gas Heat Transfer Systems	3
AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
AC/R 205 C	Commercial Air Conditioning	3
AC/R 215 C	Codes and Commissioning (formerly Estimating for HVAC)	3
Total Units		20

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including knowledge of heat transfer theories, code application, and technical training, necessary for a career in building commissioning certification.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1586

HVAC Codes and Estimating Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31106N20

Financial Aid Eligible

The **HVAC Codes and Estimating Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in application design and cost estimating. Students completing this certificate will develop an advanced understanding of application design and cost estimating. To earn this certificate, complete the required courses as

listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 19 units.

Code	Title	Units
Required Courses are listed in suggested sequence (17 units):		
AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
AC/R 110 C	Air Flow Design & Psychrometrics	2
AC/R 137 C	Blueprints and Dimension Analysis (formerly AC/R 037 C)	2
AC/R 115 C	Gas Heat Transfer Systems	3
AC/R 135 C	Sustainability Design and Application (formerly Solar Energy for Heat and Cool)	2
AC/R 215 C	Codes and Commissioning (formerly Estimating for HVAC)	3
AC/R 245 C	Load Calculations for Heating and Cooling (formerly AC/R 145 C)	2
AC/R 235 C	Air Conditioning Capstone	2
Total Units		19

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including, advanced knowledge of sustainability and energy efficiency, and technical training, necessary for a career in building codes and cost estimating.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1585

Anthropology

Division: Social Sciences

Anthropology

In our Anthropology courses you will study the physical, genetic, cultural, social and linguistic diversity of all humanity in the past and the present, at home, and around the world.

The Cypress College Anthropology Department offers a diversity of courses from the four traditional subfields of anthropology (physical/biological, cultural, archaeology and linguistics) and both an AA degree and an AA-T degree in Anthropology. We encourage you to check out our program and offerings in the current college catalog and class schedule.

Division Dean

Dr. Jamie Thomas
Phone: (714) 484-7185

Counselors:

Mymy Lam, Teacher Preparation Program Counselor
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Division Website: Social Sciences

- Anthropology Associate in Arts Degree
- Anthropology Associate in Arts Degree for Transfer (AA-T)
- Archaeology Technician Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Anthropology Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A32699

Financial Aid Eligible

The **Anthropology Associate in Arts Degree for Transfer (AA-T)** in Anthropology) is designed to provide an opportunity for the Anthropology major to achieve an Associate in Arts in Anthropology (AA-T in Anthropology) which completes the first- and second-year requirements for transfer to a four-year public California institution. This degree is designed to provide students with a comprehensive introduction to the four major fields of anthropology in order to give them the background knowledge needed by undergraduate anthropology majors. The coursework emphasizes the practical applications of anthropological skills and knowledge in a diversity of careers and the utility of anthropological perspectives as a life-long learning tool for interpreting world events. Students successfully completing the AA-T in Anthropology will acquire a fundamental knowledge base of anthropology, learn basic knowledge and skills in data analysis and research methods, and possess a basic understanding of areas that have an interdisciplinary association to Anthropology. This degree will provide students with an introduction to the field including its scientific foundations and applied areas. While at least a baccalaureate degree is recommended preparation for those seeking professional careers, completion of this degree is excellent general preparation for careers in academic and applied anthropology, museums, contract archaeology, zoos, education, academic counseling,

international business, corporations, research, translation, government, journalism and technical writing, non-profit organizations, and many other careers. It gives students a solid basis for many career paths and can be enhanced with multidisciplinary study in related fields. This curriculum specifically prepares the prospective transfer student for upper division coursework in Anthropology or a similar major at a California State University (CSU) campus. At the baccalaureate level students can continue an education in various areas of anthropology including biological/physical anthropology, socio-cultural anthropology, archaeology and linguistic anthropology. Graduate study is important in Anthropology. Those holding a Master's or Doctoral degree may find employment in college and university teaching and other educational institutions such as museums and tribal relations, public and private research, ethnography, archaeology, primatology, museum curation, linguistics, forensic anthropology, and related fields. Those without a graduate degree will find limited career opportunity in direct areas of Anthropology. Students should consult a counselor, the Transfer Center and the catalog of the transfer-college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AA-T in Anthropology students must complete: (1) a minimum of 19-21 semester units or 28-31.5 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires a total of 19-21 units.

Code	Title	Units
Required Core Courses:		(9 UNITS)
ANTH 101 C or ANTH 101HC	Biological Anthropology Honors Biological Anthropology	3
ANTH 102 C or ANTH 102HC	Cultural Anthropology Honors Cultural Anthropology	3
ANTH 103 C	Introduction to Archaeology	3
List A - Select three courses: (ANTH 101LC plus two more)		(7-8 UNITS)
ANTH 101LC	Biological Anthropology Lab	1
AND		
ANTH 105 C or ANTH 106 C	Introduction to Linguistic Anthropology Human Prehistory and Ancient Civilizations	3
ANTH 107 C	Magic Witchcraft and Religion	3-4

or ANTH 121 C	Native North America	
or STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
or MATH 120PC	Introduction to Probability and Statistics	
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	

List B - Select one course from below or any not taken in LIST (3-4 UNITS)

ANTH 104 C	Comparative Cultures	3
ANTH 210 C	Introduction to Forensic Anthropology	3
ANTH 208 C	Anthropology of Death	3
ANTH 225 C	Ancient Cultures of Mexico and Central America	3
ANTH 212 C	Applied and Practicing Anthropology (formerly ANTH 211 C)	3
ANTH 231 C	Field Course in Archaeology I	3
ANTH 232 C	Field Course in Archaeology II	3

TOTAL UNITS: **19-21 UNITS**

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1294

Archaeology Technician Certificate

Division: Social Sciences

PROGRAM CODE: 1C39697

Financial Aid Eligible

The **Archaeology Technician Certificate** consists of a total of 26-28 units in anthropology and related disciplines. Combined, these classes provide basic knowledge and skills useful in the field of CRM (Cultural Resource Management). Although a career in archaeology will likely require at least a bachelor's degree (BA or BS) in Anthropology, this certificate assists students in gaining entry level positions in professional archaeology. To earn this certificate, students must complete the required courses as listed with a grade of C or better. This certificate consists of three sets of classes: required classes (17 units); anthropology electives (3-4 units); and non-anthropology electives (6-7 units). At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 26-28 units.

Code	Title	Units
Required Courses (17 units):		
ANTH 101 C	Biological Anthropology	3
or ANTH 101HC	Honors Biological Anthropology	
ANTH 101LC	Biological Anthropology Lab	1
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
ANTH 103 C	Introduction to Archaeology	3
ANTH 231 C	Field Course in Archaeology I	3
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
or ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	
Anthropology Elective Courses (3-4 units):		3-4

ANTH 106 C	Human Prehistory and Ancient Civilizations	3
ANTH 121 C	Native North America	3
ANTH 232 C	Field Course in Archaeology II	3
ANTH 299 C	Anthropology Independent Study	1

Non-Anthropology Elective Courses (6-7 units): **6-7**

ETHS 160 C	Native American History I	3
GEOG 102 C	Physical Geography	3
GEOG 130 C	California Geography	3
GEOG 160 C	Cultural Geography	3
GEOG 202 C	Field Geography - Physical	1
GEOG 230 C	Introduction to GIS	3
GEOL 100 C	Physical Geology	3
or GEOL 100HC	Honors Physical Geology	
GEOL 103 C	Historical Geology	4
GEOL 120 C	Geology of California	3

Total Units **26-28**

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1054

Anthropology Associate in Arts Degree

Division: Social Sciences

PROGRAM CODE: 1A18368

Financial Aid Eligible

The **Associate in Arts Degree in Anthropology** is designed to provide students with a comprehensive introduction to the four major fields of anthropology in order to give them the background knowledge needed by undergraduate anthropology majors for university transfer and coursework, while emphasizing the practical applications of anthropological skills and knowledge in a diversity of careers and the utility of anthropological perspectives as a life-long learning tool for interpreting world events. To earn an Associate Degree students must complete: (1) all major course requirements with a minimum grade of "C"; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Students pursuing more than one specified departmental major may double count a maximum of 7 units to fulfill major requirements. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Required Courses (13 units):		
ANTH 101 C	Biological Anthropology	3
or ANTH 101HC	Honors Biological Anthropology	
ANTH 101LC	Biological Anthropology Lab	1
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
ANTH 103 C	Introduction to Archaeology	3

or ANTH 106 C	Human Prehistory and Ancient Civilizations	
ANTH 105 C	Introduction to Linguistic Anthropology	3
Six (6) units or more from the following Anthropology Elective Courses		6
ANTH 103 C	Introduction to Archaeology	3
or ANTH 106 C	Human Prehistory and Ancient Civilizations	
ANTH 104 C	Comparative Cultures	3
ANTH 107 C	Magic Witchcraft and Religion	3
ANTH 121 C	Native North America	3
ANTH 208 C	Anthropology of Death	3
ANTH 210 C	Introduction to Forensic Anthropology	3
ANTH 212 C	Applied and Practicing Anthropology (formerly ANTH 211 C)	3
ANTH 225 C	Ancient Cultures of Mexico and Central America	3
ANTH 231 C	Field Course in Archaeology I	3
ANTH 232 C	Field Course in Archaeology II	3
Total Units		19

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1044

Art

Division: Visual and Performing Arts

Division Dean

Dr. Kellori Dower

Faculty

Edward Giardina
Donivan Howard
Janet Owen Driggs
Paul Paiement
Molly Schulps

Counselors

Renay Laguana-Ferinac
Renee Ssensalo

Course Repeatability Limitations

Effective 2013, most active participatory courses in Art, Dance, Theater, Music, and Physical Education are no longer repeatable. The courses in the table below are related in content and therefore have been identified in distinct “family” groupings in which students are limited to a maximum of 4 course enrollments per family (withdrawals and substandard grades will be counted towards the 4 enrollment maximum). Note: Exceptions for courses still designated as repeatable are indicated in course descriptions of the college catalog and class schedules with the statement, “May

be taken for credit ____ times.” If students are majoring in any of these disciplines, they are advised to see their counselor to discuss options.

Discipline	Family/Related Courses	Courses Related in Content
Art ¹	Ceramics	ART 150 C, ART 151 C, ART 152 C, ART 153 C, ART 154 C
	Design	ART 120 C, ART 121 C, ART 123 C, ART 140 C, ART 141 C, ART 142 C
	Drawing	ART 182 C, ART 183 C, ART 184 C, ART 185 C, ART 186 C
	Gallery Studies	ART 161 C, ART 162 C, ART 163 C
	Illustration	ART 244 C, ART 246 C
	Jewelry	ART 174 C, ART 175 C
	Painting	ART 191 C, ART 193 C, ART 194 C, ART 195 C, ART 196 C
	Printmaking	ART 130 C, ART 131 C
Art Exceptions	None	

¹ Students are limited to four (4) semester enrollments – in Active Participatory courses – whether in a single course or in a combination of courses grouped within a family. All enrollments in courses (including enrollments in the same repeatable course) within a family count toward the maximum enrollment limitation of four (4) semester enrollments. This includes evaluative (A, B, C, D, F, P, NP) and non-evaluative (I, IP, RD, and W) grades earned. All letter grades received will be counted in GPA.

Art Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Patrons of the Arts

The Cypress College Patrons of the Arts is a non-profit, tax-exempt organization that functions under the auspices of the Cypress College Foundation. It was founded in 1975 to encourage community participation in the college's visual & performing arts programs and exhibits, foster cultural, visual, and performing arts activities at the college, and to raise funds to provide scholarships to talented students in the fields of:

Art
Dance
Journalism
Media Arts Design1
Music
Photography
Theatre

Please contact the Cypress College Patrons of the Arts at tchevalier@CypressCollege.edu or (714) 484-7139 for further information.

- Art Associate in Arts Degree
- Art History Associate in Arts Degree for Transfer (AA-T)
- Studio Arts Associate in Arts Degree for Transfer(AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

A student who completes the Art field of study will be able to:

- Show their knowledge of various art processes, theory, and technical skills.
- Effectively communicate content through the principles and elements of design.
- Critically analyze the principles and elements of design for content and historical importance.
- Visually articulate and comprehend the interconnection between art and culture.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Art Associate in Arts Degree

Division: Visual and Performing Arts

PROGRAM CODE: 1A03776

Financial Aid Eligible

The **Art Associate in Arts Program** is designed to prepare the student in the development of conceptual and technical skills required by artists in certain occupations. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 27 units in the major, in addition to other general education requirements.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units)		
ART 182 C	Beginning Drawing	3
ART 120 C	Two-Dimensional Design	3
ART 111 C	Survey of Art History I	3
ART 112 C	Survey of Art History II	3
or ART 112HC	Honors Survey of Art History II	
ART 121 C	Three-Dimensional Design	3
ART 123 C	Color Theory	3
Elective units: Select from the following (9 units)		9
ART 122 C	Introduction to Digital Art (formerly ART 122 C Gallery and Portfolio Design)	3
ART 130 C	Introduction to Printmaking	3
ART 131 C	Intermediate Printmaking	3
ART 146 C	Beginning Sculpture (formerly ART 149 C)	3
ART 147 C	Intermediate Sculpture	3
ART 148 C	Introduction to Crafts	3
ART 150 C	Ceramics Handbuilding	3
ART 151 C	Ceramics Throwing	3
ART 152 C	Technical and Conceptual Ceramics	3
ART 153 C	Ceramic Studio Exploration	3
ART 154 C	Ceramic Aesthetics and Finishes	3
ART 161 C	Introduction to Gallery Studies - Exhibition Preparation and Installation Techniques (formerly ART 1	3
ART 162 C	Intermediate Gallery Studies - Exhibition Organization and Management Techniques (formerly titled Ga	3
ART 163 C	Portfolio Development and Professional Practices (formerly titled Gallery Studies 3)	3
ART 166 C	Contemporary Art Studio	3
ART 167 C	Contemporary Art Studio 2	3
ART 183 C	Intermediate Drawing	3
ART 184 C	Advanced Drawing	3
ART 185 C	Beginning Life Drawing	3

ART 186 C	Intermediate Life Drawing	3
ART 191 C	Life Painting	3
ART 193 C	Portrait Painting	3
ART 194 C	Beginning Painting (formerly ART 189 C)	3
ART 195 C	Intermediate Painting	3
ART 196 C	Advanced Painting	3
ART 197 C	Beginning Watercolor Painting	3
ART 244 C	Illustration	3
ART 246 C	Advanced Illustration	3
Total Units		27

Program Student Learning Outcomes

OUTCOME 1: Given art materials, students will be able to show their knowledge of various art processes, theory, and technical skills.

OUTCOME 2: Given art materials, students will be able to effectively communicate content through the principles and elements of design.

OUTCOME 3: Given art works and materials, students will be able to critically analyze the principles and elements of design for content and historical importance.

OUTCOME 4: Students will develop artistic skills to visually articulate and comprehend the interconnection between art and culture.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1522

Art History Associate in Arts Degree for Transfer (AA-T)

Division: Visual and Performing Arts

PROGRAM CODE: 1A31986

Financial Aid Eligible

The **Art History Associate in Arts Degree for Transfer (AA-T in Art History)** is designed to provide an opportunity for the Art History major to achieve an Art History Associate in Arts Degree for Transfer (AA-T in Art History) which completes the first and second year requirements for transfer to a four-year public California institution. This degree provides lower division major and general education preparation for students interested in transferring to four-year universities as Art History majors. The study of Art History is an interdisciplinary, critical study of human history through the perspective of visual culture. Students explore the various areas of Art History to build a foundation for future creative, interpretive, analytical work. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Art History or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AA-T in Art History students must complete the following requirements: (1) a minimum of 18 semester units or 27 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, . AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core: (9 Units)		9
ART 111 C	Survey of Art History I	3
ART 112 C	Survey of Art History II	3
or ART 112HC	Honors Survey of Art History II	
ART 182 C	Beginning Drawing	3
List A - Select one: (3 units)		3
ART 216 C	Latin American Art	3
ART 116 C	Arts of Africa, Oceania, and Indigenous North America	3
List B - Select one: (3 units)		3
ART 120 C	Two-Dimensional Design	3
ART 121 C	Three-Dimensional Design	3
ART 185 C	Beginning Life Drawing	3
MAD 116 C	Graphic Design I (formerly ART 140 C)	3
ART 150 C	Ceramics Handbuilding	3
PHOT 101 C	Introduction to Photography	3
List C - Select one or Any List A or B course not already used (3-5 units)		3-5
ART 114 C	Modern Art History	3
ART 100 C	Fundamentals of Art for Non-Art Majors	3
ART 110 C	Introduction to Art	3
ENGL 110 C	Humanities - Ancient and Medieval	3
INDS 100 C	Humanities - Ancient and Medieval (same as ENGL 110 C)	3
ENGL 111 C	Humanities - Renaissance - Present (same as INDS 101 C)	3
INDS 101 C	Humanities: Renaissance-Present	3
FREN 101 C	Elementary French I	5
FREN 102 C	Elementary French II	5
FREN 203 C	Intermediate French III	4

FREN 204 C	Intermediate French IV	4
HIST 110 C	Western Civilizations I	3
or HIST 110HC	Honors Western Civilizations I	
HIST 111 C	Western Civilizations II	3
or HIST 111HC	Honors Western Civilizations II	
HIST 112 C	World Civilizations I	3
or HIST 112HC	Honors World Civilizations I	
HIST 113 C	World Civilizations II	3
or HIST 113HC	Honors World Civilizations II	
PHIL 201 C	History of Ancient Philosophy	3
PHIL 202 C	History of Modern Philosophy	3
Total Units		18-20

Program Student Learning Outcomes:

Objective 1: Research and evaluate visual objects from different cultures and eras using various modes of analysis.

Objective 2: Communicate concepts and ideas effectively through written, oral, and digital media.

Objective 3: Recognize the relationship between artistic production, cultural ideology, and human experience.

Objective 4: Receive guaranteed admission with junior status into the CSU system and priority admission to their local CSU to complete a four-year degree.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1560

Studio Arts Associate in Arts Degree for Transfer(AA-T)

Division: Visual and Performing Arts

PROGRAM CODE: 1A32097

Financial Aid Eligible

The **Studio Arts Associate in Arts Degree for Transfer** is designed to provide an opportunity for the Studio Arts major to achieve a Studio Arts Associate in Arts for Transfer (AA-T in Studio Arts) which completes the first and second year requirements for transfer to a four-year public California institution. This degree provides lower division major and general education preparation for students interested in transferring to four-year universities as Studio Arts majors. The study of Studio Arts is an interdisciplinary, critical study of technical development, as well as the foundation for all studio based courses. Students explore the various areas of studio art to build a foundation for future creative, interpretive, analytical work and portfolios. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Studio Arts or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses

that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AA-T in Studio Arts, students must complete the following requirements: (1) a minimum of 18 semester units or 27 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core Courses (12 units):		
ART 112 C	Survey of Art History II	3
or ART 112HC	Honors Survey of Art History II	
ART 120 C	Two-Dimensional Design	3
ART 121 C	Three-Dimensional Design	3
ART 182 C	Beginning Drawing	3
LIST A (3 units):		3
ART 111 C	Survey of Art History I	3
ART 114 C	Modern Art History	3
LIST B (9 units):		9
ART 122 C	Introduction to Digital Art (formerly ART 122 C Gallery and Portfolio Design)	3
ART 123 C	Color Theory	3
ART 130 C	Introduction to Printmaking	3
ART 146 C	Beginning Sculpture (formerly ART 149 C)	3
ART 148 C	Introduction to Crafts	3
ART 150 C	Ceramics Handbuilding	3
ART 151 C	Ceramics Throwing	3
ART 174 C	Jewelry Design	3
ART 175 C	Metalsmithing	3
ART 183 C	Intermediate Drawing	3
ART 185 C	Beginning Life Drawing	3
ART 194 C	Beginning Painting (formerly ART 189 C)	3
ART 197 C	Beginning Watercolor Painting	3
MAD 100 C	Introduction to Media Arts Design	3
MAD 116 C	Graphic Design I (formerly ART 140 C)	3

PHOT 101 C	Introduction to Photography	3
Total Units		24

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1088

Automotive Collision Repair

Division: Career Technical Education

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- Auto Collision 1: Detail Technician Certificate
- Auto Collision 2: Paint and Refinishing Certificate
- Auto Collision 3: Structural Certificate
- Auto Collision 4: Appraisal & Management Certificate
- Auto Collision Advanced Technician Associate in Science Degree
- Auto Collision Repair Fundamentals Associate in Science Degree
- Collision Repair I-CAR Gold Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Career Technical Education.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Auto Collision Repair Fundamentals Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S078320

Financial Aid Eligible

The **Auto Collision Repair Fundamentals Associate in Science Degree** combines certificates Auto Collision 1 and Auto Collision 2, which along with the general education courses, prepares students for entry-level employment as automotive collision technicians. Training is given in both theory and practical skills. Courses in this program emphasize safety procedures, proper use of tools, basic techniques of body work, paint matching and application, and quality detailing and car care. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; (3) the cultural diversity and reading requirements; (4) any elective courses to complete a minimum of 60 units; and, (5) have a minimum GPA of 2.0. At least 50% of all course work must be completed at Cypress College. This degree requires a total of 35-36 units.

Code	Title	Units
Required Courses (35-36 units):		
ACR 020 C	Auto Detail/Car Care - Beginning	3
ACR 021 C	Advanced Auto Detailing	3
ACR 150 C	ACR/Special Projects	2-3
ACR 101 C	Auto Collision Repair Technician I (formerly ACR 001 C)	6
ACR 102 C	Auto Collision Repair Technician II (formerly ACR 002 C)	6
ACR 107 C	Refinishing Technician I (formerly ACR 007 C)	6
ACR 108 C	Refinishing Technician II (formerly ACR 008 C)	6
ACR 170 C	Automotive Color Matching (formerly ACR 070 C)	3
Total Units		35-36

Program Student Learning Outcomes:

OUTCOME 1: Students who complete this degree will develop the following skills required by NATEF to enhance their employment opportunities and advance their career goals. • Non-Structural Analysis and Damage repair • Painting and Refinishing • Develop mathematical skills to use in analytical problem solving. • Develop effective communication skills in dealing with customers in a simulated automotive business structure. In addition, this certificate also provides hands on training in Automotive Color Matching and Automotive detailing.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1572

Auto Collision Advanced Technician Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S42345

Financial Aid Eligible

The **Auto Collision Advanced Technician Associate in Science Degree**: This degree combines Auto Collision 3 and Auto Collision 4 certificates and general education, which prepares students for advanced-level technician work as well as for positions in management and sales in the auto collision repair industry. Courses in this program management and sales, advanced structural repair, advanced paint and refinishing, electrical systems, and damage appraisal. Training is given in both theory and practical skills. The combination of management and technician skills aligns with all aspects of the automotive industry to include insurance and sales. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor or visit the Transfer Center. This degree requires a total of 35 units.

Code	Title	Units
Required courses are in suggested sequence (35 units):		
ACR 103 C	Auto Collision Repair Technician III (formerly ACR 003 C)	6
ACR 104 C	Auto Collision Repair Technician IV (formerly ACR 004 C)	6
ACR 109 C	Refinishing Technician III (formerly ACR 009 C)	6
ACR 112 C	Collision Damage Appraisal (formerly ACR 012 C)	3
ACR 113 C	Computerized Automotive Damage Appraisal (formerly ACR 013 C)	3
ACR 130 C	Electrical Systems and Component Repair (formerly ACR 030 C)	4
ACR 140 C	Structural Alignment Repair (formerly ACR 040 C)	4
ACR 160 C	Collision Repair Management (formerly ACR 060 C)	3
Total Units		35

Program Student Learning Outcomes:

OUTCOME 1: Develop entry-level skills and knowledge for employment in the automotive industry, i.e. an auto body repair facility, and the insurance business.

OUTCOME 2: Acquire increasingly technical skills and knowledge to work safely in the lab/shop environment.

OUTCOME 3: Demonstrate the ability to become part of the Inter-Industry Conference on Auto Collision Repair (I-CAR) and the Automotive Detailers Association (ADA).

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1087

Auto Collision 1: Detail Technician Certificate

Division: Career Technical Education

PROGRAM CODE: 1C42145

Financial Aid Eligible

The **Auto Collision 1: Detail Technician Certificate** introduces students to the fundamentals of auto collision repair, to include the tools, techniques, and basic concepts and safety standards of the industry. Students will learn the basics of detailing, structural repair, and refinishing for entry level work. To earn a certificate students must complete all major course requirements with a grade of C or better. At least 50% of the program must be completed at Cypress College. This certificate requires a total of 17-18 units.

Code	Title	Units
Required courses are listed in suggested sequence (17-18 units):		
ACR 020 C	Auto Detail/Car Care - Beginning	3
ACR 101 C	Auto Collision Repair Technician I (formerly ACR 001 C)	6
ACR 107 C	Refinishing Technician I (formerly ACR 007 C)	6
ACR 150 C	ACR/Special Projects	2-3
Total Units		17-18

Program Student Learning Outcomes:

OUTCOME 1: Develop entry-level skills and knowledge for employment in the automotive industry, i.e. an auto body repair facility, and the insurance business

OUTCOME 2: Acquire increasingly technical skills and knowledge to work safely in the lab/shop environment

OUTCOME 3: Demonstrate the ability to become part of the Inter-Industry Conference on Auto Collision Repair (I-CAR) and the Automotive Detailers Association (ADA)

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1570

Auto Collision 2: Paint and Refinishing Certificate

Division: Career Technical Education

PROGRAM CODE: 1C42147

Financial Aid Eligible

The **Auto Collision 2: Paint and Refinishing Certificate** is a continuation of and a progressive skills development of the fundamentals of auto collision repair, to include the tools, techniques, and basic concepts and safety standards of the industry. Students will advance their skills in structural repair, refinishing, detailing, and paint matching for entry level work. To earn a certificate students must complete all major course requirements with a grade of C or better. At least 50% of the program must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required courses are listed in suggested sequence (18 units):		
ACR 021 C	Advanced Auto Detailing	3
ACR 102 C	Auto Collision Repair Technician II (formerly ACR 002 C)	6
ACR 108 C	Refinishing Technician II (formerly ACR 008 C)	6
ACR 170 C	Automotive Color Matching (formerly ACR 070 C)	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Develop entry-level skills and knowledge for employment in the automotive industry, i.e. an auto body repair facility, and the insurance business.

OUTCOME 2: Acquire increasingly technical skills and knowledge to work safely in the lab/shop environment.

OUTCOME 3: Demonstrate the ability to become part of the Inter-Industry Conference on Auto Collision Repair (I-CAR) and the Automotive Detailers Association (ADA) .

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1109

Auto Collision 3: Structural Certificate

Division: Career Technical Education

PROGRAM CODE: 1C42146N
Financial Aid Eligible

The **Auto Collision 3: Structural Certificate** continues the development of skills for the auto collision repair industry, with an emphasis on structural alignment. Students will develop expertise in tools and techniques in paint and refinishing. To earn a certificate students must complete all major course requirements with a grade of C or better. At least 50% of the program must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required courses are listed in suggested sequence (16 units):		
ACR 103 C	Auto Collision Repair Technician III (formerly ACR 003 C)	6
ACR 109 C	Refinishing Technician III (formerly ACR 009 C)	6

ACR 140 C	Structural Alignment Repair (formerly ACR 040 C)	4
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Develop entry-level skills and knowledge for employment in the automotive industry, i.e. an auto body repair facility, and the insurance business.

OUTCOME 2: Acquire increasingly technical skills and knowledge to work safely in the lab/shop environment.

OUTCOME 3: Demonstrate the ability to become part of the Inter-Industry Conference on Auto Collision Repair (I-CAR) and the Automotive Detailers Association (ADA).

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1110

Auto Collision 4: Appraisal & Management Certificate

Division: Career Technical Education

PROGRAM CODE: 1C42342N
Financial Aid Eligible

The **Auto Collision 4: Appraisal & Management Certificate** program continues the development of skills in structural repair, as well as damage appraisal and collision repair management. Practical and advanced skills are also acquired in electrical systems and component repair. To earn a certificate students must complete all major course requirements with a grade of C or better. At least 50% of the program must be completed at Cypress College. This certificate requires a total of 19 units.

Code	Title	Units
Required courses are listed in suggested sequence (19 units):		
ACR 104 C	Auto Collision Repair Technician IV (formerly ACR 004 C)	6
ACR 112 C	Collision Damage Appraisal (formerly ACR 012 C)	3
ACR 113 C	Computerized Automotive Damage Appraisal (formerly ACR 013 C)	3
ACR 130 C	Electrical Systems and Component Repair (formerly ACR 030 C)	4
ACR 160 C	Collision Repair Management (formerly ACR 060 C)	3
Total Units		19

Program Student Learning Outcomes:

OUTCOME 1 : Develop entry-level skills and knowledge for employment in the automotive industry, i.e. an auto body repair facility, and the insurance business.

OUTCOME 2: Acquire increasingly technical skills and knowledge to work safely in the lab/shop environment.

OUTCOME 3: Demonstrate the ability to become part of the Inter-Industry Conference on Auto Collision Repair (I-CAR) and the Automotive Detailers Association (ADA).

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1129

Collision Repair I-CAR Gold Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31346
Financial Aid Eligible

The **Collision Repair I-CAR Gold Certificate** program is designed to facilitate the student in acquiring the necessary knowledge and documentation to gain ICAR training points when entering the automotive collision repair industry. To earn a certificate, students must complete the required courses as listed with a minimum grade of "C" or higher. At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required Courses are listed in suggested sequence (23 units):		
ACR 101 C	Auto Collision Repair Technician I (formerly ACR 001 C)	6
ACR 020 C	Auto Detail/Car Care - Beginning	3
ACR 021 C	Advanced Auto Detailing	3
ACR 170 C	Automotive Color Matching (formerly ACR 070 C)	3
ACR 130 C	Electrical Systems and Component Repair (formerly ACR 030 C)	4
ACR 140 C	Structural Alignment Repair (formerly ACR 040 C)	4
Total Units		23

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills needed to complete the NATEF competencies required for employment in the Auto Collision industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=491

Automotive Technology

Division: Career Technical Education

Career Technical Education

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- Automotive Sales and Service Certificate
- Automotive T-TEN Air Conditioning Specialist Certificate
- Automotive T-TEN Brake and Alignment Specialist Certificate
- Automotive T-TEN Electrical Certificate
- Automotive T-TEN Engine and Driveline Specialist Certificate
- Automotive T-TEN Performance and Driveability Specialist Certificate
- Automotive T-TEN Toyota and Lexus Specialist Certificate
- Automotive Technology - Electrical Diagnostic Specialist Certificate
- Automotive Technology - Maintenance Technician Certificate
- Automotive Technology Associate in Science Degree
- Automotive Technology Certificate
- Automotive Technology Certificate – Brake and Alignment Specialist
- Automotive Technology Certificate – Emission Control Specialist
- Automotive Technology Certificate – Engine Specialist
- Automotive Technology Certificate – Performance and Driveability Specialist
- Automotive Technology Certificate – Transmission Specialist
- T-TEN Certified Technician Associate in Science Degree
- T-TEN Certified Technician Certificate
- T-TEN Maintenance Technician Associate in Science Degree
- T-TEN Maintenance Technician Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Career Technical Education.

Students who complete the Automotive Technology field of study will be able to develop the following skills required by the NATEF to enhance their employment opportunities and advance their career goals.

- Diagnose brake system, ABS systems, power booster systems, and suspension components; perform alignment; steering component diagnosis and repairs
- Utilize scan-tools, scopes DVOM's and other test equipment in trouble-shooting engine and transmission driveability problems
- Diagnose fuel system problems; service emission controls; diagnose fuel injection and Powertrain Control Module problems
- Diagnose electrical system problems; use test meters; overhaul electrical components.
- Diagnose and repair manual transmission systems, drivelines, differentials and 4-wheel drive/all wheel drive systems.
- Diagnose and repair automatic transmission/transaxle systems, torque converters.
- Diagnose and repair heating and air conditioning systems including automated systems.
- Learn the structure and functions of an internal combustion engine; perform engine overhaul processes and diagnosis of mechanical engine components.
- Develop mathematical skills to use in analytical problem solving.
- Function as a shop service manager, shop foreman, or supervisor; learn safety management.
- Operate a Computer Customer Records System; perform service manager functions.
- Develop effective communication skills in dealing with customers in a simulated automotive business structure.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Automotive Technology Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S03771

Financial Aid Eligible

The **Automotive Technology Associate in Science Degree** is designed to prepare students for employment as automotive technicians and in numerous other related areas of the automotive and transportation industry. Training is given in both theory and practical skills. Directed practical work is given in all automotive maintenance and repair areas

under simulated on-the-job conditions. To earn an Associate Degree, students must complete: (1) all major course requirements with a minimum grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. Please consult your counselor or visit the Transfer Center for information on specific university requirements. This degree requires 60 units in addition to other general education requirements.

Code	Title	Units
Required Core Courses - Choose courses from the list below (60 units):		
AT 105 C	Automotive Electrical I	6
AT 106 C	Automotive Electrical II	6
AT 120 C	Auto Engine Repair and Machining	12
AT 130 C	Auto Chassis and Brake Systems	12
AT 140 C	Auto Drivetrains and Transmissions	12
AT 150 C	Auto Performance and Drivability	12
Total Units		60

Program Student Learning Outcomes:

OUTCOME 1: be able to perform automotive related analytics on under and over car related systems.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1594

Automotive Sales and Service Certificate

Division: Career Technical Education

PROGRAM CODE: 1C15688

The **Automotive Sales and Service Certificate** program is designed to prepare students for customer service and sales positions in the automotive industry. It provides students with a basic knowledge of automobile operations, general maintenance requirements, and damage appraisal procedures along with marketing and management principles. The certificate will enable students to work in a variety of non technical areas in an automobile dealership, repair shop, or insurance company as a service representative, salesperson, or estimator. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 15-16 units.

Code	Title	Units
Required Courses are listed in suggested sequence (15-16 units):		
AT 101 C or AT 110 C	Survey of the Automobile Intro to Automotive Technology	3-4
ACR 112 C	Collision Damage Appraisal (formerly ACR 012 C)	3

BUS 222 C	Principles of Marketing	3
BUS 208 C	Principles of Selling	3
BUS 266 C	Human Relations in Business	3
Total Units		15-16

Program Student Learning Outcomes:

OUTCOME 1: The Automotive Technology program is designed to prepare students for employment as automotive technicians and in numerous other related areas of the automotive and transportation industry. Training is given in both theory and practical skills. Directed practical work is given in all areas of maintenance and repair under simulated on-the-job conditions.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1424

Automotive T-TEN Air Conditioning Specialist Certificate

Division: Career Technical Education

PROGRAM CODE: 1C37115

Financial Aid Eligible

The **Automotive T-TEN Air Conditioning Specialist Certificate** program is designed to prepare T-TEN students for employment as an automotive Air Conditioning system diagnostic specialist. Course work includes theory and operation of HVAC systems, the use of test instruments, refrigerant recycling and skill competency in HVAC system diagnosis and repair. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern Toyota/Lexus automotive HVAC system specialist. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. 100% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are shown in required sequence (18 units):		
AT 260 C	T-TEN Toyota Electrical Systems (formerly AT 112 C)	12
AT 270 C	T-TEN Climate Control Systems	4
AT 209 C	Toyota Portfolio TPORT	1
AT 296 C	T-TEN Automotive Internship I	1
Total Units		18

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1115

Automotive T-TEN Brake and Alignment Specialist Certificate

Division: Career Technical Education

PROGRAM CODE: 1C37074

Financial Aid Eligible

The **Automotive T-TEN Brake and Alignment Specialist Certificate** program is designed to prepare T-TEN students for employment as automotive brake

and alignment technicians. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of Toyota/Lexus brake, suspension, and alignment technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive brake, suspension, and alignment technician. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. All course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses shown in required sequence (18 units):		
AT 109 C	Introduction to Toyota Automotive Technology	4
AT 254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12
AT 209 C	Toyota Portfolio TPORT	1
AT 296 C	T-TEN Automotive Internship I	1
Total Units		18

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1116

Automotive T-TEN Electrical Certificate

Division: Career Technical Education

PROGRAM CODE: 1C37117

Financial Aid Eligible

The **Automotive T-TEN Electrical Certificate** program is designed to prepare students for employment as Toyota/Lexus automotive electrical system diagnostic specialist. Course work includes theory and operation of electrical systems, the use of test instruments, and skill competency in electrical system diagnosis and repair. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive electrical system specialist. To earn a certificate, complete the required courses as listed with a grade of C or better. 100% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses shown in required sequence (18 units):		
AT 109 C	Introduction to Toyota Automotive Technology	4
AT 260 C	T-TEN Toyota Electrical Systems (formerly AT 112 C)	12
AT 209 C	Toyota Portfolio TPORT	1
AT 296 C	T-TEN Automotive Internship I	1
Total Units		18

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1119

Automotive T-TEN Engine and Driveline Specialist Certificate

Division: Career Technical Education

PROGRAM CODE: 1C37064

Financial Aid Eligible

The **Automotive T-TEN Engine and Driveline Specialist Certificate** program is designed to prepare students for employment as a T-TEN engine and drivetrain specialist. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of engine and power train technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive engine and power train specialist. To earn a certificate, complete the required courses as listed with a grade of C or better. 100% of all course work must be completed at Cypress College. This certificate requires a total of 23 units.

Code	Title	Units
Required Courses are shown in the required sequence (23 units):		
AT 109 C	Introduction to Toyota Automotive Technology	4
AT 210 C	T-TEN Internal Combustion Engines and Alternative Fuels (formerly AT 121 C)	6
AT 223 C	T-TEN Transmissions, Driveline and Electric Drivetrain (formerly AT 141 C)	12
AT 213 C	Toyota Portfolio II TPORT II	1
Total Units		23

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1118

Automotive T-TEN Performance and Driveability Specialist Certificate

Division: Career Technical Education

PROGRAM CODE: 1C37105

Financial Aid Eligible

The **Automotive T-TEN Performance and Driveability Specialist Certificate** program is designed to prepare students for employment as a Toyota/Lexus automotive performance and drivability specialist. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of performance and drivability technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive performance and drivability specialist. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. 100% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses shown in required sequence (18 units):		
AT 109 C	Introduction to Toyota Automotive Technology	4

AT 283 C	T-TEN ICE-HV-EV Performance and Diagnosis	12
AT 213 C	Toyota Portfolio II TPORT II	1
AT 297 C	T-TEN Automotive Internship II	1
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: demonstrate the requisite knowledge and skills to diagnose body electrical faults on Toyota and Lexus vehicles.

OUTCOME 2: demonstrate the requisite knowledge and skills to transfer their knowledge of Toyota and Lexus body electrical diagnosis to other vehicle manufacturers they may encounter at the dealer.

OUTCOME 3: The student will demonstrate knowledge and skills related to providing quality vehicle service to the Toyota and Lexus customers.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1641

Automotive T-TEN Toyota and Lexus Specialist Certificate

Division: Career Technical Education

PROGRAM CODE: 1C37110

Financial Aid Eligible

The **Automotive T-TEN Toyota and Lexus Specialist Certificate** is designed to prepare students for employment as automotive technicians in Toyota dealerships. Training is given in theory and practical skills. Directed practical work is given in all areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of Toyota technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern Toyota technician. The courses are sequential and the student enters the program as part of cohort based on their grade from AT 109 C, Introduction to Toyota Technology. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. 100% of all course work must be completed at Cypress College. This certificate requires a total of 62 units.

Code	Title	Units
Required Courses are shown in required sequence (62 units):		
AT 109 C	Introduction to Toyota Automotive Technology	4
AT 260 C	T-TEN Toyota Electrical Systems (formerly AT 112 C)	12
AT 254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12
AT 270 C	T-TEN Climate Control Systems	4
AT 210 C	T-TEN Internal Combustion Engines and Alternative Fuels (formerly AT 121 C)	6
AT 223 C	T-TEN Transmissions, Driveline and Electric Drivetrain (formerly AT 141 C)	12

AT 283 C	T-TEN ICE-HV-EV Performance and Diagnosis	12
Total Units		62

Program Student Learning Outcomes:

OBJECTIVE 1: Acquire the workforce preparation skills, including theory and practical skills, necessary for employment in the automotive industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1550

Automotive Technology - Electrical Diagnostic Specialist Certificate

Division: Career Technical Education

PROGRAM CODE: 1C30325
Financial Aid Eligible

This **Automotive Technology - Electrical Diagnostic Specialist Certificate** is designed to prepare students for employment as automotive electrical system diagnostic specialists. Coursework includes the theory and operation of electrical systems, the use of test instruments, and skill competency in electrical system diagnosis and repair. The program will allow the student to acquire the knowledge and skills demanded of the modern automotive electrical system specialist. To earn a certificate, complete the courses listed below with a minimum grade of C or better. At least 50% of all coursework must be completed at Cypress College. This certificate requires a total of 13.5-16 units.

Code	Title	Units
Electrical Diagnostic Specialist (13.5-16 units)		
AT 105 C	Automotive Electrical I	6
AT 106 C	Automotive Electrical II	6
AT 050 C	Automotive Technology Special Projects	0.5-3
AT 295 C	Automotive Internship	1-4
Total Units		13.5-19

Program Student Learning Outcomes:

OUTCOME 1: be able to perform modern automotive electrical system analytics.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1593

Automotive Technology Certificate – Emission Control Specialist

Division: Career Technical Education

PROGRAM CODE: 1C12973
Financial Aid Eligible

This **Automotive Technology Certificate - Emission Control Specialist** is designed to prepare students for employment as an automotive emission

control specialist. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of emission control technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive emission control specialist. The sequence in which courses are taken may be modified to meet individual needs. To earn a certificate, complete the required courses as listed with a minimum grade of "C". At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16.5-19 units.

Code	Title	Units
Required Courses (16.5-19 units):		
<i>Required courses are listed in suggested sequence:</i>		
AT 050 C	Automotive Technology Special Projects	0.5-3
AT 105 C	Automotive Electrical I	6
AT 170 C	Clean Air Car Level 1 and 2	4
AT 171 C	Advanced Clean Air Car Course	2
AT 250 C	Advanced Performance and Driveability	4
Total Units		16.5-19

Program Student Learning Outcomes:

OBJECTIVE 1: Acquire the workforce preparation skills, including theoretical and practical competencies in emission control, necessary for entry level employment in the automotive industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1611

Automotive Technology - Maintenance Technician Certificate

Division: Career Technical Education

PROGRAM CODE: 1C30326
Financial Aid Eligible

This **Automotive Technology - Maintenance Technician Certificate** is designed to prepare students for employment as automotive maintenance technicians in dealerships and independent repair shops. Training is given in theory and practical skills. Directed practical work is given in all areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of maintenance technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern maintenance technician. The sequence in which courses are taken may be modified to meet individual needs. To earn a certificate, complete the required courses as listed with a minimum grade of "C". At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 40 units.

Code	Title	Units
Required Courses are listed in suggested sequence (38 units):		
AT 110 C	Intro to Automotive Technology	4
AT 105 C	Automotive Electrical I	6
AT 111 C	Automotive Quick Service	6
AT 130 C	Auto Chassis and Brake Systems	12

AT 150 C	Auto Performance and Drivability	12
Total Units		40

Program Student Learning Outcomes:

OUTCOME: 1: Acquire the workforce preparation skills, including theoretical and practical competencies in automotive maintenance, necessary for entry level employment in the automotive industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1615

Automotive Technology Certificate – Performance and Drivability Specialist

Division: Career Technical Education

PROGRAM CODE: 1C12975

Financial Aid Eligible

The **Automotive Technology Certificate – Performance and Drivability Specialist** is designed to prepare students for employment as an automotive performance and drivability specialist. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of performance and drivability technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive performance and drivability specialist. The sequence in which courses are taken may be modified to meet individual needs. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (16 units):		
AT 150 C	Auto Performance and Drivability	12
AT 105 C	Automotive Electrical I	6
Total Units		18

Program Student Learning Outcomes:

OBJECTIVE 1: Acquire the workforce preparation skills, including theoretical and practical competencies in engine performance and industry standards, necessary for entry level employment in the automotive industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1613

Automotive Technology Certificate – Transmission Specialist

Division: Career Technical Education

PROGRAM CODE: 1C12976

Financial Aid Eligible

The **Automotive Technology Certificate – Transmission Specialist** is designed to prepare students for employment as automotive transmission and power train specialist. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of transmission and power train technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive transmission and power train specialist. The sequence in which courses are taken may be modified to meet individual needs. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (16 units):		
AT 140 C	Auto Drivetrains and Transmissions	12
AT 105 C	Automotive Electrical I	6
Total Units		18

Program Student Learning Outcomes:

OBJECTIVE 1: Acquire the workforce preparation skills, including theoretical and practical competencies in automotive drivetrain systems and transmissions, necessary for entry level employment in the automotive industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1614

Automotive Technology Certificate

Division: Career Technical Education

PROGRAM CODE: 1C21109

Financial Aid Eligible

The **Automotive Technology Certificate** is designed to prepare students for employment as automotive technicians. Training is given in both theory and practical skills. Directed practical work is given in all areas of the automotive maintenance and repair under simulated on-the-job conditions. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive technician. The sequence in which courses are taken may be modified to meet individual needs. Primary emphasis is to prepare the student for occupational competency in automotive technology. This certificate requires a total of 57-58 units.

Code	Title	Units
Required courses are listed in suggested sequence: (54 units)		
AT 105 C	Automotive Electrical I	6
AT 120 C	Auto Engine Repair and Machining	12
AT 130 C	Auto Chassis and Brake Systems	12
AT 140 C	Auto Drivetrains and Transmissions	12
AT 150 C	Auto Performance and Drivability	12
Elective Courses (3-4 units):		3-4

AT 050 C	Automotive Technology Special Projects	0.5-3
AT 101 C	Survey of the Automobile	3
AT 102 C	Automotive History	3
AT 106 C	Automotive Electrical II	6
AT 110 C	Intro to Automotive Technology	4
AT 111 C	Automotive Quick Service	6
AT 115 C	Automotive Air Conditioning	4
AT 170 C	Clean Air Car Level 1 and 2	4
AT 171 C	Advanced Clean Air Car Course	2
AT 209 C	Toyota Portfolio TPORT	1
AT 250 C	Advanced Performance and Driveability	4
AT 280 C	Introduction to Alternative Fuels	4
AT 281 C	Introduction to Electric-Hybrid Vehicles	4
BUS 266 C	Human Relations in Business	3
Total Units		57-58

Program Student Learning Outcomes:

OBJECTIVE 1: Acquire the workforce preparation skills, including theory and practical skills, necessary for entry level employment in the automotive industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1607

Automotive Technology Certificate – Brake and Alignment Specialist

Division: Career Technical Education

PROGRAM CODE: 1C12972

Financial Aid Eligible

The **Automotive Technology Certificate – Brake and Alignment Specialist** program is designed to prepare students for employment as automotive brake and alignment technicians. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of brake, suspension, and alignment technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive brake, suspension, and alignment technician. The sequence in which courses are taken may be modified to meet individual needs. To earn a certificate, complete the required courses as listed with a minimum grade of "C". At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (16 units):		
AT 130 C	Auto Chassis and Brake Systems	12
AT 105 C	Automotive Electrical I	6
Total Units		18

Program Student Learning Outcomes:

OBJECTIVE 1: Acquire the workforce preparation skills, including competencies in brake, suspension, and alignment procedures, necessary for employment as automotive brake and alignment technician.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1610

Automotive Technology Certificate – Engine Specialist

Division: Career Technical Education

PROGRAM CODE: 1C12974

Financial Aid Eligible

The **Automotive Technology Certificate - Engine Specialist** is designed to prepare students for employment as an automotive engine repair specialist. Training is given in theory and practical skills. Directed practical work is given in all areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of engine repair technicians and machinists. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive engine specialist. The sequence in which courses are taken may be modified to meet individual needs. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
AT 120 C	Auto Engine Repair and Machining	12
AT 105 C	Automotive Electrical I	6
Total Units		18

Program Student Learning Outcomes:

OBJECTIVE 1: Acquire the workforce preparation skills, including theoretical and practical competencies in engine repair and machinists, necessary for entry level employment in the automotive industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1612

T-TEN Certified Technician Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S40220

Financial Aid Eligible

Completion of the **T-TEN Certified Technician Associate in Science Degree** program is designed to prepare the students for the position of a Certified technician with employment in Toyota or Lexus dealerships. Training is given in theory and practical skills. Directed practical work is given for all 8 ASE certification areas during the T-TEN program under simulated on-the-job conditions. Particular emphasis is placed on those competencies

required of Toyota and Lexus technicians. The program will provide the student the opportunity to acquire the knowledge and skills required by Toyota and Lexus dealers. The course sequence for T-TEN is shown in the order required. The following program is designed to prepare students for employment as automotive technicians and in numerous other related areas of the automotive and transportation industry. Training is given in both theory and practical skills. Directed practical work is given in all areas of automotive maintenance and repair under simulated on-the-job conditions. The sequence in which courses are taken may be modified to meet individual needs. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Select courses from the following in the required sequence (62 units):		
AT 109 C	Introduction to Toyota Automotive Technology	4
AT 260 C	T-TEN Toyota Electrical Systems (formerly AT 112 C)	12
AT 254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12
AT 270 C	T-TEN Climate Control Systems	4
AT 223 C	T-TEN Transmissions, Driveline and Electric Drivetrain (formerly AT 141 C)	12
AT 210 C	T-TEN Internal Combustion Engines and Alternative Fuels (formerly AT 121 C)	6
AT 283 C	T-TEN ICE-HV-EV Performance and Diagnosis	12
Total Units		62

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1145

T-TEN Certified Technician Certificate

Division: Career Technical Education

PROGRAM CODE: 1T40221
Financial Aid Eligible

The **T-TEN Certified Technician Certificate** is designed to prepare students for employment as automotive technicians in Toyota and Lexus dealerships. Training is given in theory and practical skills. Directed practical work is given in all areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of Toyota technicians. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern Toyota technician. The sequence in which courses are taken may not be modified to meet individual needs. To earn a certificate, complete the required courses as listed with a grade of C

or better. All course work must be completed at Cypress College. This certificate requires a total of 34 units.

Code	Title	Units
Required Courses are in the recommended sequence (34 units):		
AT 270 C	T-TEN Climate Control Systems	4
AT 223 C	T-TEN Transmissions, Driveline and Electric Drivetrain (formerly AT 141 C)	12
AT 210 C	T-TEN Internal Combustion Engines and Alternative Fuels (formerly AT 121 C)	6
AT 283 C	T-TEN ICE-HV-EV Performance and Diagnosis	12
Total Units		34

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1131

T-TEN Maintenance Technician Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S40238
Financial Aid Eligible

The **T-TEN Maintenance Technician Associate in Science Degree**: Year one of the T-TEN program is designed to prepare the students for maintenance technician employment in Toyota or Lexus dealerships. Training is given in theory and practical skills. Directed practical work is given in vehicle maintenance, electrical, brake, chassis and suspension during year one of the T-TEN program under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of Toyota and Lexus technicians. The program will provide the student the opportunity to acquire the maintenance and light repair knowledge and skills required by Toyota and Lexus dealers. The course sequence for T-TEN is shown in the order required. The following program is designed to prepare students for employment as automotive technicians and in numerous other related areas of the automotive and transportation industry. Training is given in both theory and practical skills. Directed practical work is given in all areas of automotive maintenance and repair under simulated on-the-job conditions. The sequence in which courses are taken may be modified to meet individual needs. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Select courses below in the required sequence (62 units):		
AT 109 C	Introduction to Toyota Automotive Technology	4
AT 260 C	T-TEN Toyota Electrical Systems (formerly AT 112 C)	12

AT 254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12
Total Units		28

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1144

T-TEN Maintenance Technician Certificate

Division: Career Technical Education

PROGRAM CODE: 1N40222
Financial Aid Eligible

The **T-TEN Maintenance Technician Certificate** is designed to prepare T-TEN students for employment as automotive maintenance technicians. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of Toyota/Lexus dealerships for entry level employment. The program will provide the student the opportunity to learn basic vehicle maintenance and service the following systems; battery, charging system, brake system, tires and TPMS, steering/suspension, and alignments. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. All course work must be completed at Cypress College. This certificate requires a total of 28 units.

Code	Title	Units
Required Courses are listed in recommended sequence (28 units):		
AT 109 C	Introduction to Toyota Automotive Technology	4
AT 260 C	T-TEN Toyota Electrical Systems (formerly AT 112 C)	12
AT 254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12
Total Units		28

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1124

Aviation and Travel Careers

Division: Career Technical Education

Career Technical Education

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Articulation Agreements

Articulation agreements are in existence for transfer programs to the following universities:

- California State University, Los Angeles
- San Jose State University
- Southern Illinois University

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Air Force Reserve Officers Training Corps (AFROTC)

Through arrangements with the University of Southern California (USC) and Loyola Marymount University (LMU), three- and four-year Air Force Reserve Officers Training Corps (AFROTC) programs are available to all qualified students at Cypress College. For additional information, visit www.afrotc.com.

Academic units earned in this program are counted as elective units toward fulfillment of graduation requirements. Successful completion of the AFROTC programs leads to a commission as an officer in the United States Air Force. Those students who qualify and desire to enter Air Force pilot training will be given flight instruction in either the two- or four-year program. Competitive scholarships are available to qualified students. All scholarship students receive tuition, laboratory and book fees, and \$350–\$500 a month. For additional information, contact the Department of Aerospace Studies (AFROTC) at Loyola Marymount at (310) 338-2770, or UCLA at (310) 825-1742 (www.afrotc.ucla.edu), or USC at (213) 740-2670.

Certified Pilots – Credit By Examination

The Commercial Pilot program at Cypress College is intended to prepare a student for employment in the aviation industry. Although the college offers only ground instruction and ground trainer instruction, it is recognized that flight training and pilot certificates are also required for employment.

In order to complete qualifications for employment, the student arranges for, and secures, the flight training necessary for the needed pilot certificates and ratings. Cypress College and the North Orange County Community College District assume no responsibility or liability for the flight training so obtained.

Pilot certificates and ratings issued to the student by the Federal Aviation Administration will be used as evidence and certification of competency. A maximum of 12 units will be granted via Credit by Examination.

Aviation and Travel Careers Transfer Programs

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Aviation and Travel Careers Program

The Aviation and Travel Careers Program provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary to work in the aviation and travel industries.

Associate in Science Degrees

- Airline Customer Services
- Aviation Management
- Commercial Pilot
- Flight Attendant
- Travel/Tourism
- UAV/UAS (Drone)
- Career Technical Education - Aviation
- Career Technical Education - Homeland Security
- Career Technical Education - Tourism

Certificates

- Advanced Airline Customer Services
- Advanced Flight Attendant
- Advanced Travel/Tourism
- Advanced UAV/UAS (Drone)
- Aviation I – Private Pilot
- Aviation II – Instrument Pilot
- Aviation III – Commercial Pilot
- Aviation IV – Advanced Pilot
- Aviation Management

- Basic Airline Customer Services
 - Basic Airport Operations
 - Basic Cruise Line Sales and Operations
 - Basic Flight Attendant
 - Basic Tourism and Conference Management
 - Basic Travel/Tourism
 - Basic UAV/UAS (Drone)
 - Homeland Transportation Security Certificate
-

Career and Degree Path Program Options

- Airline Customer Services Career/Degree Path:
 - A.S. Degree Airline Customer Services (Adv. Certificate + GE = 60 units)
 - Advanced Airline Customer Services Certificate (35 units)
 - Basic Airline Customer Services Certificate (18 units)
- Aviation Management Career/Degree Path:
 - A.S. Degree Aviation Management (Adv. Certificate + GE = 60 units)
 - Aviation Management Certificate (35 units)
- Commercial Pilot Career/Degree Path:
 - A.S. Degree Commercial Pilot (Aviation IV - Advanced Pilot + GE = 61 units)
 - Aviation I – Private Pilot (17-18 units)
 - Aviation II – Instrument Pilot (24-26 units)
 - Aviation III – Commercial Pilot (31-34 units)
 - Aviation IV – Advanced Pilot (35 units)
- Flight Attendant Career/Degree Path:
 - A.S. Degree Flight Attendant (Adv. Certificate + GE = 60 units)
 - Advanced Flight Attendant Certificate (35 units)
 - Basic Flight Attendant Certificate (18 units)
- Travel/Tourism Career/Degree Path:
 - A.S. Degree Travel/Tourism (Adv. Certificate + GE = 60 units)
 - Advanced Travel/Tourism Certificate (35 units)
 - Basic Travel/Tourism Certificate (18 units)
- UAV/UAS (Drone) Career/Degree Path:
 - A.S. Degree UAV/UAS (Adv. Certificate + GE = 60 units)
 - Advanced UAV/UAS Certificate (35 units)
 - Basic UAV/UAS Certificate (16 units)
- Ancillary Certificates¹:
 - Basic Cruise Line Sales and Operations (15 units)
 - Basic Tourism and Conference Management (15 units)
 - Homeland Transportation Security Certificate (15 units)

¹ Most of the courses required for the ancillary certificates may be applied to one or more of the above degrees.

Students are encouraged to meet with a counselor early in their program studies to optimize their schedules and to reduce the time it takes to complete a program. Students may dual major.

- Airline Customer Services Advanced Certificate
- Airline Customer Services Associate in Science Degree
- Airline Customer Services Basic Certificate
- Airport Operations Basic Certificate

- Aviation I - Private Pilot Certificate
- Aviation II - Instrument Pilot Certificate
- Aviation III - Commercial Pilot Certificate
- Aviation IV-Advanced Pilot Certificate
- Aviation Management Associate in Science Degree
- Aviation Management Certificate
- Career Technical Education - Aviation Associate in Science Degree
- Career Technical Education - Tourism Associate in Science Degree
- Commercial Pilot Associate in Science Degree
- Cruise Line Sales and Operations Basic Certificate
- Flight Attendant Advanced Certificate
- Flight Attendant Associate in Science Degree
- Flight Attendant Basic Certificate
- Homeland Transportation Security Certificate
- Tourism and Conference Management Basic Certificate
- Travel/Tourism Advanced Certificate
- Travel/Tourism Associate in Science Degree
- Travel/Tourism Basic Certificate
- UAS Remote Pilot Advanced Certificate
- UAS Remote Pilot Associate in Science Degree
- UAS Remote Pilot Basic Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Career Technical Education, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Airline Customer Services Advanced Certificate

PROGRAM CODE: 1C21124

Financial Aid Eligible

The **Airline Advanced Customer Services Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a reservations agent, gate agent, ticket agent, or customer services

manager. Students completing this certificate will develop an advanced understanding of the airline industry and the safety, security, and service requirements necessary to work in customer services for a major airline. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 35 units.

Code	Title	Units
Required Courses (27 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3
ATC 182 C or ATC 256 C	Cultural Tourism Crew Resource Management	3
ATC 183 C or ATC 274 C	Customer Care: Airline/Travel Passenger Services and Safety	3
ATC 192 C	Airline Reservations - SABRE	3
ATC 270 C	Airline Operations	3
ATC 271 C	Airport Operations	3
Electives: To complete all major course requirements, students must complete 8 elective units from the list below (if not already taken as a required course) (8 units)		8
ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
ATC 118 C	Disaster Preparedness Response	3
ATC 132 C	Private Pilot	4
ATC 182 C	Cultural Tourism	3
ATC 183 C	Customer Care: Airline/Travel	3
ATC 196 C	Flight Simulator Private Pilot	2
ATC 256 C	Crew Resource Management	3
ATC 274 C	Passenger Services and Safety	3
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3
ATC 299 C	Independent Study	0.5-2
Total Units		35

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will be provided with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a reservation agent, gate agent, ticket agent, or customer services manager.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1692

Airline Customer Services Basic Certificate

PROGRAM CODE: 1C14403

Financial Aid Eligible

The **Airline Customer Services Program** provides students with a career path for attaining the communication skills, practical knowledge, and

technical training necessary for pursuing a career as a reservations agent, gate agent, ticket agent, or customer services manager. Students completing this degree will develop a basic understanding of the airline industry and the safety, security, and service requirements necessary to work in customer services for a major airline. To earn this certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College. This certificate requires 18 units.

Code	Title	Units
Required Courses are listed in numeric sequence (18 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 174 C	Destinations- Americas and Europe	3
or ATC 175 C	Destinations Africa and Pacific	
ATC 183 C	Customer Care: Airline/Travel	3
ATC 192 C	Airline Reservations - SABRE	3
ATC 270 C	Airline Operations	3
Total Units		18

Program Student Learning Outcomes

OUTCOME 1: A student who completes this program will develop a basic understanding of the airline industry and the safety, security, and service requirements necessary for employment in customer services for a major airline.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1680

Airline Customer Services Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S14040

Financial Aid Eligible

The **Airline Customer Services Program** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a reservations agent, gate agent, ticket agent, or customer services manager. Students completing this degree will develop an advanced understanding of the airline industry and the safety, security, and service requirements necessary to work in customer services for a major airline. To earn an Associate Degree students must complete: 1) all major course requirements with a grade of C or better; 2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; 3) any elective courses to complete a minimum of 60 units; and, 4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 35 units in the major in addition to other graduation requirements. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Required Courses (27 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3
ATC 182 C	Cultural Tourism	3
or ATC 256 C	Crew Resource Management	
ATC 183 C	Customer Care: Airline/Travel	3
or ATC 274 C	Passenger Services and Safety	
ATC 192 C	Airline Reservations - SABRE	3
ATC 270 C	Airline Operations	3
ATC 271 C	Airport Operations	3
Electives: To complete all major course requirements, students must complete 8 elective units from the list below (if not already taken as a required course) (8 units)		8
ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
ATC 118 C	Disaster Preparedness Response	3
ATC 132 C	Private Pilot	4
ATC 182 C	Cultural Tourism	3
ATC 183 C	Customer Care: Airline/Travel	3
ATC 196 C	Flight Simulator Private Pilot	2
ATC 256 C	Crew Resource Management	3
ATC 274 C	Passenger Services and Safety	3
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3
ATC 299 C	Independent Study	0.5-2
Total Units		35

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will be provided with a career path for attaining the communication skills, and practical and technical training necessary for pursuing a career as a reservations agent, gate agent, ticket agent, or customer services manager

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1694

Airport Operations Basic Certificate

PROGRAM CODE: 1C33734

Financial Aid Eligible

The **Airport Operations Program** provides students with a career path for attaining the foundational skills, practical knowledge, and technical training necessary for pursuing a career as an operations, baggage, or cargo agent, or as an airport operations employee. Students completing this certificate will develop a basic understanding of the airline industry and the safety, security, and service requirements necessary to work in ground operations at an airport. To earn this certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in numeric sequence (18 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 112 C	Homeland Security	3
or ATC 116 C	Aviation and Transportation Security	
ATC 174 C	Destinations- Americas and Europe	3
or ATC 175 C	Destinations Africa and Pacific	
ATC 212 C	Airline and Aviation Management	3
ATC 270 C	Airline Operations	3
ATC 271 C	Airport Operations	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the basic practical knowledge and technical training necessary for pursuing a career in ground operations at an airport.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1674

Career Technical Education - Tourism Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S37190

Financial Aid Eligible

The **Career Technical Education Associate in Science Degree with Area of Emphasis in Tourism** provides CTE students with the opportunity to earn a 60-unit degree that demonstrates commitment to the field and meets the CalGETC general education requirements. Students should consult with a counselor when planning to complete this degree for more information on university admission and transfer requirements. The courses listed for each area of emphasis do not necessarily reflect major preparation requirements at any specific university but some courses may be used to fulfill university requirements. To earn the CTE AS Degree with Tourism emphasis, students must complete the following requirements: 1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 21 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Core Courses (6 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 123 C	Travel Sales and Tour Operations	3
Students must complete 15 units from the following:		15
ATC 101 C	Introduction to Travel Careers	3
ATC 112 C	Homeland Security	3
ATC 126 C	Travel Management	3
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3

ATC 180 C	Tourism and Conference Management	3
ATC 182 C	Cultural Tourism	3
ATC 183 C	Customer Care: Airline/Travel	3
ATC 192 C	Airline Reservations - SABRE	3
ATC 212 C	Airline and Aviation Management	3
ATC 223 C	Cruise Line Sales and Operations	3
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3
Total Units		21

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will have the opportunity to earn a 60-unit degree that demonstrates commitment to the field and meets the CalGETC general education requirements.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1682

Travel/Tourism Associate in Science Degree

PROGRAM CODE: 1S07859

Financial Aid Eligible

The **Travel and Tourism Program** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a travel agent, tour guide, or corporate travel consultant. Students completing this degree will develop an advanced understanding of the travel industry and the sales, security, and service requirements necessary to work in the travel industry. To earn an Associate in Science Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 35 units in the major in addition to other graduation requirements. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Required Courses (27 units):		
(Required courses are listed in suggested sequence)		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 123 C	Travel Sales and Tour Operations	3
ATC 126 C	Travel Management	3
or ATC 212 C	Airline and Aviation Management	
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3
ATC 182 C	Cultural Tourism	3
ATC 192 C	Airline Reservations - SABRE	3

ATC 223 C Cruise Line Sales and Operations 3

Electives (8 units): 8

(To complete all major course requirements, students must complete 8 elective units from the list below for a total of 35 units:)

ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
ATC 180 C	Tourism and Conference Management	3
ATC 183 C	Customer Care: Airline/Travel	3
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3
ATC 299 C	Independent Study	0.5-2

Total Units 35

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the practical knowledge and technical training necessary for pursuing a career as a travel agent, tour guide, or corporate travel consultant.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1667

Aviation I - Private Pilot Certificate

Division: Career Technical Education

PROGRAM CODE: 1C22916

Financial Aid Eligible

The **Aviation I - Private Pilot Certificate** provides students with the basic background and knowledge to gain entry-level employment in the aviation industry in areas such as line service and fueling. To earn a certificate, complete the required courses with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 104 C	Air Transportation	3
or ATC 270 C	Airline Operations	
ATC 132 C	Private Pilot	4
ATC 140 C	Meteorology	3
ATC 144 C	Aircraft and Engines	3
ATC 196 C	Flight Simulator Private Pilot	2
or ATC 190 C	Flight Training-Private Pilot	
Total Units		18

Program Student Learning Outcomes

OUTCOME 1: A student who completes this program will acquire the basic background and knowledge to gain entry-level employment in the aviation industry in areas such as line service and fueling.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1685

Aviation II - Instrument Pilot Certificate

Division: Career Technical Education

PROGRAM CODE: 1C22917

Financial Aid Eligible

The **Aviation II - Instrument Pilot Certificate** provides students with the necessary background to gain employment in the aviation industry requiring knowledge of weather, navigation and instrument flight such as flight scheduling and general aviation dispatching. To earn a certificate, complete the required courses with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 28 units.

Code	Title	Units
Required Courses are listed in suggested sequence (28 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 104 C	Air Transportation	3
or ATC 270 C	Airline Operations	
ATC 132 C	Private Pilot	4
ATC 136 C	Air Navigation	3
ATC 140 C	Meteorology	3
ATC 144 C	Aircraft and Engines	3
ATC 194 C	Flight Training Instrument Rating (formerly AVIA 194 C)	2
ATC 232 C	Instrument Rating	3
ATC 196 C	Flight Simulator Private Pilot	2
or ATC 190 C	Flight Training-Private Pilot	
ATC 197 C	Flight Simulator Instrument	2
Total Units		28

Program Student Learning Outcomes

OUTCOME 1: A student who completes this program will acquire the necessary background to gain employment in the aviation industry requiring knowledge of weather, navigation and instrument flight such as flight scheduling and general aviation dispatching.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1686

Aviation III - Commercial Pilot Certificate

Division: Career Technical Education

PROGRAM CODE: 1C22918

Financial Aid Eligible

The **Aviation III - Commercial Pilot Certificate** prepares students for entry into the commercial pilot profession. To earn a certificate, complete the required courses with a grade of C or better. At least 50% of all course work

must be completed at Cypress College. This certificate requires a total of 34 units.

Code	Title	Units
Required Courses are listed in suggested sequence (34 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 104 C	Air Transportation	3
or ATC 270 C	Airline Operations	
ATC 132 C	Private Pilot	4
ATC 136 C	Air Navigation	3
ATC 140 C	Meteorology	3
ATC 144 C	Aircraft and Engines	3
ATC 232 C	Instrument Rating	3
ATC 240 C	Commercial Pilot (formerly Commercial Pilot Seminar)	3
ATC 256 C	Crew Resource Management	3
ATC 196 C	Flight Simulator Private Pilot	2
or ATC 190 C	Flight Training-Private Pilot	
ATC 197 C	Flight Simulator Instrument	2
or ATC 194 C	Flight Training Instrument Rating (formerly AVIA 194 C)	
ATC 198 C	Flight Simulator Commercial	2
or ATC 195 C	Flight Training Commercial Pilot	
Total Units		34

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the practical knowledge and technical training necessary for entry into the commercial pilot profession.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1687

Aviation IV-Advanced Pilot Certificate

Division: Career Technical Education

PROGRAM CODE: 1C22919

Financial Aid Eligible

The **Aviation IV - Advanced Pilot Certificate** prepares students for entry into the aviation/air transportation industry as a professional pilot. To qualify for this certificate, students must have completed all of the required courses listed below and (1) elective unit as needed to complete 35 units total. To earn a certificate, complete the required courses with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 35 units.

Code	Title	Units
Required Courses are listed in suggested sequence (34 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 256 C	Crew Resource Management	3
ATC 104 C	Air Transportation	3
or ATC 270 C	Airline Operations	

ATC 132 C	Private Pilot	4
ATC 136 C	Air Navigation	3
ATC 140 C	Meteorology	3
ATC 144 C	Aircraft and Engines	3
ATC 232 C	Instrument Rating	3
ATC 240 C	Commercial Pilot (formerly Commercial Pilot Seminar)	3
ATC 196 C	Flight Simulator Private Pilot	2
or ATC 190 C	Flight Training-Private Pilot	
ATC 197 C	Flight Simulator Instrument	2
or ATC 194 C	Flight Training Instrument Rating (formerly AVIA 194 C)	
ATC 198 C	Flight Simulator Commercial	2
or ATC 195 C	Flight Training Commercial Pilot	
Electives: Students must complete 1 elective unit from the list below. (select any course(s) not already taken above) (1 unit)		1
ATC 189 C	Flight Training Device - Introduction	0.5
ATC 190 C	Flight Training-Private Pilot	2
ATC 193 C	Flight Training-Flight Instructor	1-5
ATC 194 C	Flight Training Instrument Rating (formerly AVIA 194 C)	2
ATC 195 C	Flight Training Commercial Pilot	2
ATC 196 C	Flight Simulator Private Pilot	2
ATC 197 C	Flight Simulator Instrument	2
ATC 198 C	Flight Simulator Commercial	2
ATC 199 C	Flight Simulator Instructor	2
ATC 212 C	Airline and Aviation Management	3
ATC 244 C	Aviation Instructor	3
ATC 250 C	Turbine Simulator Observation	0.5
ATC 255 C	Turbine Simulator Orientation	0.5
ATC 295 C	Aviation and Travel Internship	3
ATC 296 C	Flight Simulator Private Pilot - Advanced	2
ATC 297 C	Flight Simulator Instrument Pilot - Advanced	2
ATC 299 C	Independent Study	0.5-2
Total Units		35

Program Student Learning Outcomes

OUTCOME 1: A student who completes this program will acquire the practical knowledge and technical training necessary for entry into the aviation/air transportation industry as a professional pilot.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1684

Aviation Management Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S03772

Financial Aid Eligible

The **Aviation Management Associate in Science Degree** provides students with a career path for attaining the foundational skills, practical knowledge, and technical training for pursuing a career in aviation management. Students completing this degree will develop advanced understanding of the safety, security, service, and regulatory requirements necessary to work in aviation management. To earn an Associate Degree students must complete all graduation requirements to include: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 35-38 units in addition to other general education requirements.

Code	Title	Units
Required Courses are listed in suggested sequence (24-25 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 104 C	Air Transportation	3
or ATC 270 C	Airline Operations	
ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
or ATC 256 C	Crew Resource Management	
ATC 118 C	Disaster Preparedness Response	3
or ATC 274 C	Passenger Services and Safety	
ATC 132 C	Private Pilot	3-4
or ATC 271 C	Airport Operations	
ATC 182 C	Cultural Tourism	3
or ATC 183 C	Customer Care: Airline/Travel	
ATC 212 C	Airline and Aviation Management	3
Elective Courses: (11-13 units)		11-13
To complete all major course requirements, students must complete 11 units from the list below (if not already taken as a required course)		
ATC 100 C	Introduction to Aviation	3
ATC 116 C	Aviation and Transportation Security	3
ATC 123 C	Travel Sales and Tour Operations	3
ATC 126 C	Travel Management	3
ATC 132 C	Private Pilot	4
ATC 136 C	Air Navigation	3
ATC 140 C	Meteorology	3
ATC 180 C	Tourism and Conference Management	3
ATC 192 C	Airline Reservations - SABRE	3
ATC 196 C	Flight Simulator Private Pilot	2
ATC 240 C	Commercial Pilot (formerly Commercial Pilot Seminar)	3
ATC 256 C	Crew Resource Management	3
ATC 274 C	Passenger Services and Safety	3
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3

ATC 299 C	Independent Study	0.5-2
Total Units		35-38

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the practical knowledge and technical training necessary for pursuing a career in Aviation Management.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1697

Aviation Management Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31187

Financial Aid Eligible

The **Aviation Management Certificate** provides students with a career path for attaining the foundational skills, practical knowledge, and technical training necessary for pursuing a career in aviation management. Students completing this certificate will develop an advanced understanding of the safety, security, service and regulatory requirements necessary to work in aviation management. To earn this certificate, complete the required courses with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 35-38 units.

Code	Title	Units
Required Courses are listed in suggested sequence (24-25 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 104 C	Air Transportation	3
or ATC 270 C	Airline Operations	
ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
or ATC 256 C	Crew Resource Management	
ATC 118 C	Disaster Preparedness Response	3
or ATC 274 C	Passenger Services and Safety	
ATC 132 C	Private Pilot	3-4
or ATC 271 C	Airport Operations	
ATC 182 C	Cultural Tourism	3
or ATC 183 C	Customer Care: Airline/Travel	
ATC 212 C	Airline and Aviation Management	3
Electives - To complete all major course requirements, students must complete 11-13 units from the list below (if not already taken as a required course) - (11-13 units):		11-13
ATC 100 C	Introduction to Aviation	3
ATC 116 C	Aviation and Transportation Security	3
ATC 123 C	Travel Sales and Tour Operations	3
ATC 126 C	Travel Management	3
ATC 132 C	Private Pilot	4
ATC 136 C	Air Navigation	3
ATC 140 C	Meteorology	3
ATC 180 C	Tourism and Conference Management	3
ATC 192 C	Airline Reservations - SABRE	3

ATC 196 C	Flight Simulator Private Pilot	2
ATC 240 C	Commercial Pilot (formerly Commercial Pilot Seminar)	3
ATC 256 C	Crew Resource Management	3
ATC 274 C	Passenger Services and Safety	3
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3
ATC 299 C	Independent Study	0.5-2
Total Units		35-38

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the foundational skills, practical knowledge and technical training necessary for pursuing a career in Aviation Management.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1696

Tourism and Conference Management Basic Certificate

Division: Career Technical Education

PROGRAM CODE: 1C17168

Financial Aid Eligible

The Tourism and Conference Management Basic Certificate prepares students to work as professional meeting and event coordinators. The basic certificate will prepare the students for entry-level employment in the industry as an apprentice meeting and event coordinator. To earn this certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 123 C	Travel Sales and Tour Operations	3
ATC 174 C	Destinations- Americas and Europe	3
or ATC 175 C	Destinations Africa and Pacific	
ATC 180 C	Tourism and Conference Management	3
ATC 182 C	Cultural Tourism	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the practical knowledge and technical training necessary for employment as a professional meeting and event coordinators.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1676

Career Technical Education - Aviation Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S37188

Financial Aid Eligible

The **Career Technical Education Associate in Science Degree with Area of Emphasis in Aviation** provides CTE students with the opportunity to earn a 60-unit degree that demonstrates commitment to the field and meets the CalGETC general education requirements. Students should consult with a counselor when planning to complete this degree for more information on university admission and transfer requirements. The courses listed for each area of emphasis do not necessarily reflect major preparation requirements at any specific university but some courses may be used to fulfill university requirements. To earn the CTE AS Degree with Aviation emphasis, students must complete the following requirements; (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 21 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Core Courses (6 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 270 C	Airline Operations	3
Elective Courses - Students must complete 15 units from the list below (15 units):		15
ATC 101 C	Introduction to Travel Careers	3
ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
ATC 123 C	Travel Sales and Tour Operations	3
ATC 132 C	Private Pilot	4
ATC 136 C	Air Navigation	3
ATC 140 C	Meteorology	3
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3
ATC 183 C	Customer Care: Airline/Travel	3
ATC 189 C	Flight Training Device - Introduction	0.5
ATC 196 C	Flight Simulator Private Pilot	2
ATC 197 C	Flight Simulator Instrument	2
ATC 198 C	Flight Simulator Commercial	2
ATC 199 C	Flight Simulator Instructor	2
ATC 210 C	Cabin Safety Simulation	0.5
ATC 212 C	Airline and Aviation Management	3
ATC 220 C	Advanced Air Navigation	2
ATC 232 C	Instrument Rating	3
ATC 236 C	Aerodynamics	3
ATC 240 C	Commercial Pilot (formerly Commercial Pilot Seminar)	3
ATC 244 C	Aviation Instructor	3
ATC 250 C	Turbine Simulator Observation	0.5

ATC 256 C	Crew Resource Management	3
ATC 271 C	Airport Operations	3
ATC 274 C	Passenger Services and Safety	3
ATC 295 C	Aviation and Travel Internship	3
ATC 299 C	Independent Study	0.5-2
Total Units		21

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will be provided with and opportunity to earn a 60-unit degree that demonstrates commitment to the field and meets the CalGETC general education requirements.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1689

Commercial Pilot Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S03773

Financial Aid Eligible

The **Commercial Pilot Associate in Science Degree** is designed to prepare students to fly commercial, executive, and/or light aircraft as a pilot or instructor. To earn an Associate in Science Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 35 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses are listed in suggested sequence (34 units):		
ATC 102 C	Career Communication and Portfolio	3
ATC 104 C	Air Transportation	3
or ATC 270 C	Airline Operations	
ATC 132 C	Private Pilot	4
ATC 136 C	Air Navigation	3
ATC 140 C	Meteorology	3
ATC 144 C	Aircraft and Engines	3
ATC 232 C	Instrument Rating	3
ATC 240 C	Commercial Pilot (formerly Commercial Pilot Seminar)	3
ATC 256 C	Crew Resource Management	3
ATC 196 C	Flight Simulator Private Pilot	2
or ATC 190 C	Flight Training-Private Pilot	
ATC 197 C	Flight Simulator Instrument	2
or ATC 194 C	Flight Training Instrument Rating (formerly AVIA 194 C)	
ATC 198 C	Flight Simulator Commercial	2
or ATC 195 C	Flight Training Commercial Pilot	

Electives - To complete all major course requirements, students must complete 1 unit from the list below (if not already taken as a required course) - (1 unit):		1
ATC 189 C	Flight Training Device - Introduction	0.5
ATC 190 C	Flight Training-Private Pilot	2
ATC 193 C	Flight Training-Flight Instructor	1-5
ATC 194 C	Flight Training Instrument Rating (formerly AVIA 194 C)	2
ATC 195 C	Flight Training Commercial Pilot	2
ATC 196 C	Flight Simulator Private Pilot	2
ATC 197 C	Flight Simulator Instrument	2
ATC 198 C	Flight Simulator Commercial	2
ATC 199 C	Flight Simulator Instructor	2
ATC 212 C	Airline and Aviation Management	3
ATC 244 C	Aviation Instructor	3
ATC 250 C	Turbine Simulator Observation	0.5
ATC 255 C	Turbine Simulator Orientation	0.5
ATC 295 C	Aviation and Travel Internship	3
ATC 296 C	Flight Simulator Private Pilot - Advanced	2
ATC 297 C	Flight Simulator Instrument Pilot - Advanced	2
ATC 299 C	Independent Study	0.5-2
Total Units		35

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the practical knowledge and technical training necessary for flying commercial, executive, and/or light aircraft as a pilot or instructor.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1688

Cruise Line Sales and Operations Basic Certificate

PROGRAM CODE: 1C30458

Financial Aid Eligible

The **Cruise Line Sales and Operations Basic Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in cruise line sales and operations. Students completing this certificate will develop a basic understanding of the cruise line operations and the sales, security, and service requirements necessary to work in the cruise industry. To earn this certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 123 C	Travel Sales and Tour Operations	3
ATC 174 C	Destinations- Americas and Europe	3

or ATC 175 C	Destinations Africa and Pacific	
ATC 182 C	Cultural Tourism	3
or ATC 183 C	Customer Care: Airline/Travel	
ATC 223 C	Cruise Line Sales and Operations	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will develop a basic understanding of cruise line operations and the sales, security, and service requirements necessary for work in the cruise industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1677

Flight Attendant Advanced Certificate

PROGRAM CODE: 1C21126A

Financial Aid Eligible

The **Flight Attendant Advanced Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a flight attendant. Students completing this certificate will develop an advanced understanding of the airline industry and the customer safety, security, and service requirements necessary to work as a flight attendant for a major airline. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 35 units.

Code	Title	Units
Required courses are listed in suggested sequence (27 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3
ATC 182 C	Cultural Tourism	3
ATC 183 C	Customer Care: Airline/Travel	3
ATC 256 C	Crew Resource Management	3
ATC 270 C	Airline Operations	3
ATC 274 C	Passenger Services and Safety	3
Elective Courses - To complete all major course requirements, students must complete 8 elective units from the list below (if not already taken as a required course) - (8 units):		8
ATC 100 C	Introduction to Aviation	3
ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
ATC 118 C	Disaster Preparedness Response	3
ATC 132 C	Private Pilot	4
ATC 196 C	Flight Simulator Private Pilot	2
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3
ATC 299 C	Independent Study	0.5-2
KIN 121 C	Self-Defense (formerly PE 170 C)	1

KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
Total Units		35

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will be provided with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a flight attendant.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1693

Flight Attendant Basic Certificate

PROGRAM CODE: 1C14404

Financial Aid Eligible

The **Flight Attendant Program** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a flight attendant. Students completing this certificate will develop a basic understanding of the airline industry and the customer safety, security, and service requirements necessary to work as a flight attendant for a major airline. To earn this certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in numeric sequence (18 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 183 C	Customer Care: Airline/Travel	3
or ATC 256 C	Crew Resource Management	
ATC 174 C	Destinations- Americas and Europe	3
or ATC 175 C	Destinations Africa and Pacific	
ATC 270 C	Airline Operations	3
ATC 274 C	Passenger Services and Safety	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the practical knowledge and technical training necessary for pursuing a career in Aviation Management.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1666

Flight Attendant Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S03814

Financial Aid Eligible

The **Flight Attendant Program** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a flight attendant. Students completing this degree will develop an advanced understanding of the airline industry and the customer safety, security, and service requirements necessary to work as a flight attendant for a major airline. To earn an Associate in Science Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 35 units in the major in addition to other graduation requirements. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Required Courses listed in suggested sequence (27 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3
ATC 182 C	Cultural Tourism	3
ATC 183 C	Customer Care: Airline/Travel	3
ATC 256 C	Crew Resource Management	3
ATC 270 C	Airline Operations	3
ATC 274 C	Passenger Services and Safety	3
Electives: To complete all major requirements, students must complete 8 elective units from the list below (if not already taken as a required course) (8 units):		8
ATC 100 C	Introduction to Aviation	3
ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
ATC 118 C	Disaster Preparedness Response	3
ATC 132 C	Private Pilot	4
ATC 196 C	Flight Simulator Private Pilot	2
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3
ATC 299 C	Independent Study	0.5-2
KIN 121 C	Self-Defense (formerly PE 170 C)	0.5-1
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
Total Units		35

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the communication skills, practical knowledge, and technical training necessary for pursuing a career as a flight attendant.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1695

Homeland Transportation Security Certificate

Division: Career Technical Education

Program Code: 1C17169N

Financial Aid Eligible

The **Homeland Transportation Security Certificate** provides technical skills and in-depth knowledge relating to homeland security, administration of justice, organizational protection, and safety with an emphasis on the travel and transportation industries. To earn this certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
AJ 110 C or AJ 120 C	Introduction to Criminal Justice Concepts of Criminal Law	3
ATC 102 C	Career Communication and Portfolio	3
ATC 112 C	Homeland Security	3
ATC 116 C or ATC 256 C	Aviation and Transportation Security Crew Resource Management	3
ATC 118 C	Disaster Preparedness Response	3
ATC 274 C	Passenger Services and Safety	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will acquire the technical skills and in-depth knowledge relating to homeland security, administration of justice, organizational protection, and safety for employment in travel and transportation.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1670

Travel/Tourism Advanced Certificate

PROGRAM CODE: 1C21123

Financial Aid Eligible

The **Advanced Travel and Tourism Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a travel agent, tour guide, or corporate travel consultant. Students completing this certificate will develop an advanced understanding of the travel industry and the sales, security, and service requirements necessary to work in the travel industry. To earn this certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College.

Code	Title	Units
Required Courses are listed in suggested sequence (27 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 123 C	Travel Sales and Tour Operations	3
ATC 126 C or ATC 212 C	Travel Management Airline and Aviation Management	3
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3
ATC 182 C	Cultural Tourism	3
ATC 192 C	Airline Reservations - SABRE	3
ATC 223 C	Cruise Line Sales and Operations	3
Electives: To complete all major course requirements, students must complete 8 elective units from the list below for a total of 35 units.		8
ATC 112 C	Homeland Security	3
ATC 116 C	Aviation and Transportation Security	3
ATC 180 C	Tourism and Conference Management	3
ATC 183 C	Customer Care: Airline/Travel	3
ATC 278 C	Public Relations	3
ATC 295 C	Aviation and Travel Internship	3
ATC 299 C	Independent Study	0.5-2
Total Units		35

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will develop an advanced understanding of the practical knowledge and technical training necessary for pursuing a career as a travel agent, tour guide, or corporate travel consultant.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1668

Travel/Tourism Basic Certificate

Division: Career Technical Education

PROGRAM CODE: 1C14405
Financial Aid Eligible

The **Travel and Tourism Program** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career as a travel agent, tour guide, or corporate travel consultant. Students completing this certificate will develop a basic understanding of the travel industry and the sales, security, and service requirements necessary to work in the travel industry. To earn this certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3

ATC 123 C	Travel Sales and Tour Operations	3
ATC 174 C or ATC 175 C	Destinations- Americas and Europe Destinations Africa and Pacific	3
ATC 182 C or ATC 183 C	Cultural Tourism Customer Care: Airline/Travel	3
ATC 192 C	Airline Reservations - SABRE	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: A student who completes this program will develop a basic understanding of the travel industry and the sales, security, and service requirements necessary to work in the travel industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1678

UAS Remote Pilot Advanced Certificate

Division: Career Technical Education

PROGRAM CODE: 1C35423

This certificate prepares students to meet the Federal Aviation Administration requirements to operate lightweight and heavier Unmanned Aircraft Vehicles (UAVs) in commercial operations, utilizing Unmanned Aircraft Systems (UAS). To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 26.5-28 units.

Code	Title	Units
Required courses are listed in numeric sequence: (26.5-28 units)		
ATC 160 C	UAS Drone Basic	3
ATC 161 C	UAS Drone Flight Lab 1	1
ATC 162 C	UAS Drone Basic Flight	2
ATC 132 C	Private Pilot	4
ATC 140 C	Meteorology	3
ATC 256 C	Crew Resource Management	3
ATC 236 C	Aerodynamics	3
ATC 261 C	UAS Drone Advanced Simulator	2
ATC 262 C	UAS Drone Advanced Flight	2
ATC 102 C	Career Communication and Portfolio	3
ATC 299 C	Independent Study	0.5-2
Total Units		26.5-28

Program Student Learning Outcomes:

Outcome 1: acquire workforce preparation skills, including weather interpretation, application of regulations, aeronautical decision-making, airport operations, and performance calculations necessary for a career as a drone pilot that exceed the knowledge on the FAA Remote Pilot Exam.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1690

UAS Remote Pilot Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S35448

The **UAS Remote Pilot Associate in Science Degree** prepares students to meet the Federal Aviation Administration requirements to operate lightweight and heavier Unmanned Aircraft Vehicles (UAVs) in commercial operations, utilizing Unmanned Aircraft Systems (UAS). To earn an local Degree name students must complete: 1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 37.5-39 units in addition to other general education requirements.

Code	Title	Units
Required courses are listed in numeric sequence: (37.5-39 units)		
ATC 102 C	Career Communication and Portfolio	3
ATC 132 C	Private Pilot	4
ATC 136 C	Air Navigation	3
ATC 140 C	Meteorology	3
ATC 144 C	Aircraft and Engines	3
ATC 160 C	UAS Drone Basic	3
ATC 161 C	UAS Drone Flight Lab 1	1
ATC 162 C	UAS Drone Basic Flight	2
ATC 197 C	Flight Simulator Instrument	2
ATC 232 C	Instrument Rating	3
ATC 256 C	Crew Resource Management	3
ATC 260 C	UAS Drone Advanced (formerly UAV-UAS Advanced)	3
ATC 261 C	UAS Drone Advanced Simulator	2
ATC 262 C	UAS Drone Advanced Flight	2
ATC 299 C	Independent Study	0.5-2
Total Units		37.5-39

Program Student Learning Outcomes:

Outcome 1: Students will conduct independent study documenting through research and field experience.

Outcome 2: Students will plan and successfully fly a UAS/Drone flight within regulatory guidelines, with 70% or better accuracy scores. Assessment: Computer tracking and UAS/Drone flight data readouts will allow assessment of the completed flight, which will be documented in

the students' career portfolio. Students will achieve a 70% or better in proficiency.

Outcome 3: Acquire the knowledge necessary to pass the FAA Part 107 exam.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1698

UAS Remote Pilot Basic Certificate

Division: Career Technical Education

PROGRAM CODE: 1C35422

This certificate prepares students to meet the Federal Aviation Administration requirements to operate lightweight Unmanned Aircraft Vehicles (UAVs) in commercial operations, utilizing Unmanned Aircraft Systems (UAS). To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required courses are listed in numeric sequence: (16 units)		
ATC 160 C	UAS Drone Basic	3
ATC 161 C	UAS Drone Flight Lab 1	1
ATC 162 C	UAS Drone Basic Flight	2
ATC 132 C	Private Pilot	4
ATC 140 C	Meteorology	3
ATC 102 C	Career Communication and Portfolio	3
Total Units		16

Program Student Learning Outcomes:

Outcome 1: acquire workforce preparation skills, including weather interpretation, application of regulations, aeronautical decision-making, airport operations, and performance calculations necessary for a career as a drone pilot and to pass the FAA Remote Pilot Knowledge Exam.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1671

Biology

Division: Science/Engineering/Mathematics

Division Dean

Patricia Menchaca

Faculty

Taylor Anderson-McGill
Kalthoum Bayz

Sujata Chiplunkar
Joel Gober
Fumio Ogoshi
Michelle Palmisano
Adel Rajab
Tony Sanchez
Dee Ann Sato
Gary Shin
Stephanie Spooner

Counselor

Ernesto Heredia

Cypress College Biology Majors Course Sequence

Each UC and CSU university has specific transfer requirements. Please consult with your counselor and www.assist.org for campus-specific requirements.

Contact: Adel Rajab at arajab@CypressCollege.edu or (714) 484-7000 x48629.

Biological Sciences Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Associate in Science in Biology for Transfer Degree (AS-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Science, Technology, Engineering, and Mathematics, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Biology Associate in Science Degree for Transfer (AS-T)

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S37120

Financial Aid Eligible

The **Biology Associate in Science Degree for Transfer (AS-T)** provides lower division major and general education preparation for students interested in transferring to CSU campuses that offer a bachelor's degree in biology. Careers related to this field include biotechnology, medicine, pharmacy, dentistry, optometry, physician's assistant, biomedical engineering, agriculture, and forestry as well as many other related careers. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. Students should consult a counselor, the Transfer Center, and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn the Biology AS-T students must complete: (1) a minimum of 32 semester units or 48 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. *Note: Due to the high unit value of this degree, it is eligible for CSU GE for STEM or IGETC for STEM which allows students to defer completion of 6 units (3 units in Arts/Humanities and 3 units in Social Sciences) until after transfer. Students should consult with a major counselor. This degree requires a total of 32 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Core Courses are listed in the suggested sequence (10 units):		

BIOL 135AC & BIOL 135BC	Principles of Biology 1: Cell and Molecular Biology and Principles of Biology 2: Organismal Biology	10

List A: Required supporting science and mathematics courses (22 units) **22**

CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
MATH 150AC	Calculus I	4

Students must select 1 course pairing from the following:

PHYS 201 C & PHYS 202 C	College Physics I and College Physics II	8

or

PHYS 221 C & PHYS 222 C	General Physics I and General Physics II	8

Optional additional UC major preparation courses are listed below and are not included in the required major or total degree units. Students are strongly advised to see a counselor and check university major requirements in ASSIST.org.

BIOL 277 C	Genetics	3
BIOL 278 C	Molecular Biology	4
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics) or MATH 150 BC Calculus II	4
or MATH 120PC	Introduction to Probability and Statistics	
PHYS 223 C	General Physics III	4
or PHYS 210 C	Physics for Life Sciences I	
PHYS 211 C	Physics for Life Sciences II	4

Program Student Learning Outcomes

OUTCOME 1: Understand current concepts in the life sciences at the level appropriate for transfer into upper division biology major programs at four-year universities.

OUTCOME 2: Demonstrate critical thinking skills as they relate to the life sciences as well as apply concepts from allied fields to the life sciences.

OUTCOME 3: Apply the scientific method to answer basic research questions and understand the role of life sciences in modern society.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1491

Business Administration

Division: Business and Computer Information Systems

Business Administration Transfer Program (AS-T Business Administration)

Accounting, Computer Information Systems, Computer Science, Marketing, Management

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult

the catalog of the individual school and a counselor for lower division major requirements.

- Business Administration 2.0 Associate in Science Degree for Transfer (AS-T)

Business Administration 2.0 Associate in Science Degree for Transfer (AS-T)

Division: Business and Computer Information Systems

PROGRAM CODE: 1S42259

Financial Aid Eligible

The **Business Administration 2.0 Associate in Science Degree for Transfer (AS-T)** is designed to provide an opportunity for the Business Administration major to achieve an Associate in Science Degree in Business Administration for Transfer (AS-T in Business Administration) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Business Administration or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students successfully completing the AS-T in Business Administration will gain knowledge in accounting, business communications, information technologies, finance, law, management, and marketing. Because business is such a broad field with many emphases and majors, this degree will provide the student a broad overview of the possible fields of study in various business areas. To earn an AS-T in Business Administration students must complete the following requirements: (1) a minimum of 30 semester units or 45 quarter units in the Business Administration major with a grade of C or better; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3)

elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core: (30 units)		
ACCT 101 C	Financial Accounting	5
ACCT 102 C	Managerial Accounting	5
BUS 100 C	Introduction to Business	3
or BUS 211 C	Writing for Business	
BUS 240 C	Legal Environment of Business	3
MATH 130 C	Business Calculus	4
or MATH 115 C	Finite Mathematics	
or MATH 150AC	Calculus I	
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4
ECON 100 C	Principles of Economics-Macro	3
or ECON 100HC	Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
Total Units		30

Program Student Learning Outcomes:

OUTCOME 1: Demonstrate preparation for transfer to a four-year institution with the required business, accounting, economics, math, and other learning. Identify, summarize, and compare the fundamentals of legal systems, and social, ethical, and political forces affecting the development and operation of businesses. Communicate clearly, effectively, and appropriately in writing and orally using the language of business. Make effective business decisions using appropriate systematic, evaluative, ethical, information-based approaches.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1771

Career Education

Division: Career Technical Education

Division Dean

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- CE Instructor Training Associate in Science Degree
- CE Instructor Training Certificate

New and aspiring Career Education (CE) faculty in a variety of Career Technical Education (CTE) programs will benefit from this 18 unit certificate. (CTE TOP-coded programs include but are not limited to Business, Computer Information Systems, Career Technical Education, Health Science, and some Fine Arts, Social Sciences and Science/Engineering/Math). Nine of the 18 units include equity-minded teaching and pedagogy, instructional technologies, distance education, and a practicum, for career entry into teaching positions and for professional development.

CE Instructor Training Associate in Science Degree

Division: Career Technical Education

Program Code: 1S42160

Financial Aid Eligible

The **CE Instructor Training Associate in Science Degree** (Career Education (CE); CTE) Teacher Training program) provides current and aspiring Career Education educators and students with course work to enhance their teaching expertise and to further their professional goals. Students completing this certificate will acquire highly useful technical skills, pedagogical expertise, and historical/contemporary knowledge of the increasingly significant Career Education opportunities in high schools, regional occupational, continuing, and higher education. To earn an Associate Degree, students must complete all graduation requirements to include (1) all major course requirements with a grade of C or better; ((2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, visit www.assist.org or visit the Transfer Center. This degree requires a total of 18-25 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Core: Complete nine units of CE Instructor Training coursework (9 units):		
CE 201 C	CE Teacher Training 1: Portfolio	3
CE 202 C	CE Teacher Training 2: Technologies	3
CE 295 C	CE Teacher Training 3: Practicum	3

Complete or be in the process of completing a minimum of 9 or 12 units within a discipline that falls within a career education pathway or in consultation with the Department Chair of a CTE pathway. Please see the careers.cypresscollege.edu website for examples of career education programs and examples, below, of expertise areas.

Automotive Technology (12-16 units):		
AT 110 C	Intro to Automotive Technology	4
AT 105 C	Automotive Electrical I	6
AT 106 C	Automotive Electrical II	6

AT 115 C	Automotive Air Conditioning	4

OR**Aviation and Travel Careers (9-10 units):**

ATC 101 C	Introduction to Travel Careers	3
ATC 132 C	Private Pilot	4
ATC 270 C	Airline Operations	3
ATC 274 C	Passenger Services and Safety	3

OR**Hotel, Restaurant, Culinary Arts (9-11 units):**

HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 235 C	Culinary Fundamentals II	3

Total Units **18-25**

Program Student Learning Outcomes:

OUTCOME 1: New and aspiring Career Education (CE) faculty in a variety of Career Technical Education (CTE) programs will benefit from this 60-unit Associate in Science Degree. (CTE TOP-coded programs include but are not limited to Business, Computer Information Systems, Career Technical Education, Health Science, and some Fine Arts, Social Sciences and Science/Engineering/Math). Nine of the 18 units include equity-minded teaching and pedagogy, instructional technologies, distance education, and a practicum, for career entry into teaching positions and for professional development

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1609

CE Instructor Training Certificate

Division: Career Technical Education

PROGRAM CODE: 1C42159

Financial Aid Eligible

Career Education and Career Technical Education (CTE TOP-coded programs) teachers will learn, practice and apply pedagogical approaches and instructional technologies in actual and virtual teaching environments. This instructor training and professional development certificate program complements and enhances one's career education subject knowledge and expertise and includes: career education history, pedagogy and labor market overview; course syllabus, lesson plan and curriculum development; practical teaching opportunities; and creation of a professional portfolio. This certificate requires a total of 18-25 units.

Code	Title	Units

Required Core: Complete nine units of CE Instructor Training coursework (9 units):

CE 201 C	CE Teacher Training 1: Portfolio	3
CE 202 C	CE Teacher Training 2: Technologies	3
CE 295 C	CE Teacher Training 3: Practicum	3

Complete an additional 9 or 12 minimum units in an area of expertise and/or in consultation with the CE Department Chairperson. See examples below of expertise areas.

Automotive Technology (12-16 units):

AT 110 C	Intro to Automotive Technology	4
AT 105 C	Automotive Electrical I	6
AT 106 C	Automotive Electrical II	6
AT 115 C	Automotive Air Conditioning	4

OR**Aviation and Travel Careers (9-10 units):**

ATC 101 C	Introduction to Travel Careers	3
ATC 132 C	Private Pilot	4
ATC 270 C	Airline Operations	3
ATC 274 C	Passenger Services and Safety	3

OR**Hotel, Restaurant, Culinary Arts (9-11 units):**

HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 235 C	Culinary Fundamentals II	3

Total Units **18-21**

Program Student Learning Outcomes:

OUTCOME 1: New and aspiring Career Education (CE) faculty in a variety of Career Technical Education (CTE) programs will benefit from this 18 unit certificate.(CTE TOP-coded programs include but are not limited to Business, Computer Information Systems, Career Technical Education, Health Science, and some Fine Arts, Social Sciences and Science/Engineering/Math). Nine of the 18 units include equity-minded teaching and pedagogy, instructional technologies, distance education, and a practicum, for career entry into teaching positions and for professional development.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1608

Chemistry

Division: Science/Engineering/Mathematics

Division Dean

Patricia Menchaca

Faculty

Robin De Roo
Torri Draganov
Richard Fee
Allison Gotoh
Lenore Landis
Phyllis Mays-Larson
Craig Tomooka

Counselor

Ernesto Heredia

Chemistry Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Chemistry Associate in Science Degree for Transfer (AS-T)
- Chemistry Associate in Science Degree for UC Transfer

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Science, Technology, Engineering, and Mathematics, B1-Reading, B2-Writing, B3-Communicating, C1-Analysis, C2-Computation, C4-Problem Solving, C5-Technology, and D1-Personal Responsibility.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Chemistry Associate in Science Degree for Transfer (AS-T)

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S33954

Financial Aid Eligible

The **Chemistry Associate in Science Degree for Transfer (AS-T in Chemistry)** is designed to provide an opportunity for the Chemistry major to achieve an Associate in Science in Chemistry for Transfer (AS-T in Chemistry) which completes the first and second year requirements for transfer to a four-year public California institution. Students with a degree in chemistry may pursue careers in a variety of fields such as pharmacy, medicine, engineering, teaching, biotechnology, patent law, and forensic science. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Chemistry or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center, and the catalog of the transfer

college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. The completion of this curriculum will demonstrate commitment to the Chemistry field and provide comprehensive preparation for upper-division work. To earn an AS-T in Chemistry, students must complete the following requirements: (1) a minimum of 36 semester units or 54 quarter units in the Chemistry major with a minimum grade of "C" in each course; . AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. *Note: The California State University General Education Breadth pattern (CSU GE) is NOT an option for this degree. Students must use the Intersegmental General Education Transfer Curriculum (CSU IGEC) for STEM which allows students to take one Arts or Humanities course and one Social or Behavioral Science course after transfer. Students should consult with a counselor when planning to complete the degree for more information on specific university admission and transfer requirements. This degree requires a total of 36 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses (36 units):		
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
CHEM 211AC	Organic Chemistry I	5
CHEM 211BC	Organic Chemistry II	5
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
Total Units		36

Program Student Learning Outcomes

OUTCOME 1: Acquire the knowledge and skills, including the principles and applications of general and organic chemistry, experimental techniques and safety protocols in laboratory, necessary for transfer to a four-year institution.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1499

Chemistry Associate in Science Degree for UC Transfer

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S43112

Financial Aid Eligible

The **Chemistry Associate in Science Degree for UC Transfer**, also known as the Chemistry AS-UCT, prepares students for transfer to UC campuses that offer bachelor's degrees in chemistry. This program aligns with the UC Transfer Pathway (UCTP). The Chemistry AS-UCT introduces students to general principles of inorganic and organic chemistry with associated laboratory analysis and prepares students for upper division coursework in the discipline of chemistry through the coursework in chemistry, physics and mathematics. Students with a degree in chemistry may pursue careers in a variety of fields such as pharmacy, medicine, engineering, teaching, biotechnology, patent law, and forensic science. Students completing this degree are guaranteed admission to the UC system, but not necessarily to a particular UC campus or major of their choice. In addition to completing the coursework and IGETC courses for this degree, students must achieve a cumulative minimum grade point average of 3.5 in the major. This degree requires 49 units in the major, 16-20 general education (IGETC) coursework, in addition to other graduation requirements. This degree requires 65-67

Code	Title	Units
Required Courses: (49 units)		
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
CHEM 211AC	Organic Chemistry I	5
CHEM 211BC	Organic Chemistry II	5
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
PHYS 223 C	General Physics III	4
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
MATH 250AC	Multivariable Calculus	4
MATH 250BC	Linear Algebra and Differential Equations	5

General Education Requirements

In addition to the required coursework, 16-20 units of Intersegmental General Education Transfer Curriculum (IGETC) must be completed.

Area 1A Freshman Composition (4 units)

Area 1B Critical Thinking (4 units)

Area 3 Arts and Humanities (3 units)

Area 4 Social and Behavioral Science (3 units)

Area 5B Biological Science (4 units)

Area 6 Language Other than English (0-4 units)

Total Units 49

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including the principles and applications of general and organic chemistry, experimental techniques

and safety protocols in laboratory, necessary for transfer to a four-year institution.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1512

Chinese

Division: Language Arts

Division Dean

Dr. Janet Vera Lopez

Counselors

Mymy Lam

Dr. Therese Mosqueda-Ponce

Daniel Pelletier

Chinese Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

The courses taught by this department contribute to the General Education and Basic Skills Program Learning Outcomes. Please refer to General Education and Basic Skills Program Learning Outcomes.

Communication Studies

Division: Language Arts

Division Dean

Dr. Janet Vera Lopez

Faculty

Michael Brydges

Joshua House

Liana Koeppel

John Lambros

Jennifer Page

Justin Perkins

Counselors

Mymy Lam

Dr. Therese Mosqueda-Ponce

Daniel Pelletier

Communication Studies Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Communication Certificate
- Communication Studies 2.0 Associate in Arts Degree for Transfer (AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, A1-Social Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Communication Certificate

Division: Language Arts

PROGRAM CODE: 1C39164

Financial Aid Eligible

The **Communication Certificate** recognizes a student's achievement in a variety of communication skills including, public speaking, critical thinking, argumentation, group problem solving and decision-making, and interpersonal and intercultural interaction. Communication skills are an intrinsic component of success in both personal and professional relationships and are highly valued by employers in the workplace. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16-17 units.

Code	Title	Units
Required Courses (10-11 units):		
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	3
or COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
or COMM 110 C	Mediated Public Speaking	
COMM 105 C	Interpersonal Communication	3
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4-5
or ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	
or ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
or ESL 110 C	College Composition for Non-Native Speakers	
Elective Courses: Select from the following (6 units)		6
<i>Please note COMM 138 and COMM 238 can count for a maximum of 3 units total.</i>		
<i>*COMM 110 C will not double count if taken in the required core area.</i>		
COMM 135 C	Argument and Critical Thinking	
COMM 120 C	Intercultural Communication	
COMM 124 C	Small Group Communication	
COMM 138 C	Forensics	
or COMM 238 C	Forensics	
COMM 238 C	Forensics	
COMM 170 C	Oral Interpretation of Lit	
COMM 110 C	Mediated Public Speaking	3
COMM 220 C	The Rhetoric of the City	3
or COMM 220HC	Honors Rhetoric of the City	
COMM 299 C	Communication Independent Study	0.5-2
Total Units		16-17

Program Student Learning Outcomes

OUTCOME 1: Acquire the knowledge and skills including oral and written communication, interpersonal and intercultural communication, and critical thinking, necessary for workforce preparation and/or professional advancement in their field of choice.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1749

Communication Studies 2.0 Associate in Arts Degree for Transfer (AA-T)

Division: Humanities

PROGRAM CODE: 1A43849

Financial Aid Eligible

The **Communication Studies 2.0 Associate in Arts Degree for Transfer (AA-T)** is designed to provide an opportunity for the Communication Studies major to achieve a Communication Studies Associate in Arts Degree for Transfer while completing the first and second year requirements

for transfer to a four-year institution. While a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper division work. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an Associate in Arts for Transfer (AA-T) students must complete: (1) a minimum of 18-20 units (or 27-30 quarter units) of major course requirements with a grade of C or better; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC) requirements (3) any elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires a total of 18-20 units in the major, in addition to general graduation requirements.

Code	Title	Units
Required Core (6 units):		
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	3
or COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
COMM 105 C	Interpersonal Communication	3
List A: Select three (9-11 units):		9-11
<i>Please note COMM 138 and COMM 238 can count for a combined total of 3 units.</i>		
COMM 120 C	Intercultural Communication	3
COMM 135 C	Argument and Critical Thinking	3
COMM 124 C	Small Group Communication	3
COMM 138 C	Forensics	1-2
COMM 238 C	Forensics	1-2
COMM 170 C	Oral Interpretation of Lit	3
JOUR 110 C	Global Media	3
List B: Select one course (3 units) from below or any LIST A course not already used		3
COMM 110 C	Mediated Public Speaking	3
JOUR 101 C	Reporting and Writing	3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	
ANTH 102 C	Cultural Anthropology	3

or ANTH 102HC Honors Cultural Anthropology

Total Units

18-20

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge of introductory Communication Studies principles/theories, including interpersonal, argumentation, intercultural, small group, and/or oral interpretation, necessary for transfer to a four-year institution.

OUTCOME 2: Acquire the knowledge and skills necessary to communicate ideas orally and in writing.

OUTCOME 3: Acquire the knowledge and critical thinking skills necessary to analyze arguments.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1748

Computer Information Systems

Division: Business and Computer Information Systems

Division Dean

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Faculty

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Computer Information Systems Transfer Program (AS-T Business Administration)

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Business Information Worker Certificate
- Cisco Networking Certificate
- Computer and Office Applications Certificate
- Computer Information Systems Associate in Science Degree

- Computer Programming Certificate
- Cyber Defense Associate in Science Degree
- Cyber Defense Certificate
- Cybersecurity Certificate
- Data Analytics Certificate
- Data Management Certificate
- DevSecOps (Development, Security, and Operations) Certificate
- System Administration and Technical Support Certificate
- Virtualization and Cloud Computing Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

Computer Information Systems

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, and C-Critical Thinking, Problem Solving, and Information Competency Skills; specifically, the following ISLO/PSLO subcategories: A1-Business and Computer Information Systems, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C3-Research, C4-Problem Solving, and C5-Technology.

A student who completes the Computer Information Systems (CIS) field of study will be able to:

- Demonstrate the knowledge and skills to utilize operating system commands, emails, Internet use, digital storage media.
- Use contemporary software application to create and modify word processing, spreadsheet, database, or presentation files.
- Acquire computer application skills to enhance his/her employment opportunity.

Computer Science

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Business and Computer Information Systems.

Computer Programming

A student who completes the Computer Programming field of study will be able to:

- Acquire problem analysis skills to design suitable solutions
- Code, debug, implement and maintain the computer programs
- Enhance his/her employment opportunity in the specific area of computer programming

Web Applications and Programming

A student who completes the Web Applications field of study will be able to:

- Demonstrate the knowledge and skills to employ the Internet tools to search the Web, manage email, communicate on the Web, download programs, share information, and strengthen Web security.
- Demonstrate the knowledge and skills to create and implement maintainable Websites using a range of programming techniques and languages.
- Demonstrate the knowledge and skills to apply a variety of Website management tools to maintain Websites.
- Enhance his/her employment opportunity in a specific area of Web applications programming.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Business Information Worker Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C40978
Financial Aid Eligible

The **Business Information Worker Certificate** reflects the employable skills needed for today's business information worker. This program includes computer applications in Word, Excel, Outlook, computer concepts, and human relations in business. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses are listed in suggested sequence (16 units):		
CIS 075 C	Business Skills Development	2
CIS 111 C	Computer Information Systems	3
CIS 116 C	MS Outlook/Office Procedures	3
CIS 132 C	Spreadsheet-Excel for Windows	4
BUS 100 C	Introduction to Business	3
COUN 139 C	Career Exploration (formerly COUN 141 C)	1
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: The Business Information Worker Certificate is focused on core skills and is designed to provide students a quicker path to the core skills required by an occupational change, career growth, or immediate placement into an entry level position. Upon successful completion of the program, students demonstrate office skills for a broad range of entry-level business positions.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1423

Cisco Networking Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C12937M

Financial Aid Eligible

The **Cisco Networking Certificate** prepares the students for a career in the area of computer networking. The program is designed to teach students the skills needed to design, build, and maintain small to medium-size networks. The curriculum also prepares students for the industry-recognized CCNA (Cisco Certified Networking Associate) exam. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (10 units):		
CIS 230 C	Cisco Networking 1	4
CIS 231 C	Cisco Networking 2	3
CIS 232 C	Cisco Networking 3	3
Select 2 of the following 3 courses (6 units):		6
CIS 233 C	Cisco CyberOps	3
CIS 239 C	CCNA Bootcamp	3
CIS 258 C	Cisco Security	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Acquire the skills necessary for workforce preparation in the field of Cisco networking, including describing WAN concepts and identifying basic features of switches and routers and execution of various OSI commands and creation of standard and extended access control lists (ACL), identification and configuration of LAN switching technologies and configuration, troubleshooting, and securing switches and routers within a WAN environment.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1712

Computer and Office Applications Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C31193

Financial Aid Eligible

The **Computer and Office Applications Certificate** gives the students a working knowledge for a career in computer applications in an office setting. Upon completion, the student will work in the capacity of office assistant, computer application specialist, or administrative assistant. To earn a certificate, students must complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses are listed in suggested sequence (16 units):		
CIS 150 C	Microsoft Applications for Business	3
CIS 102 C	MS Word Business Applications	4
CIS 103 C	Presentation-PowerPoint for Windows	3
CIS 142 C	Database-Access for Windows	3
CIS 160 C	Information Systems Management	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Prepare accurate business documents using available computer technology.

OUTCOME 2: Gain proper administrative skills of today's business environments.

OUTCOME 3: Apply information management and digital technology skills useful for today's business environments.

OUTCOME 4: Integrate knowledge and skills in office administration and technology.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1708

Computer Information Systems Associate in Science Degree

Division: Business and Computer Information Systems

PROGRAM CODE: 1S03767

Financial Aid Eligible

The **Computer Information Systems Associate in Science Degree** prepares the student for a career in the area of computer information systems. The program is designed to develop a working knowledge of what is required to be successful in business computer information systems. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires 25 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses are listed in suggested sequence (25 units):		
ACCT 101 C	Financial Accounting	5
CIS 102 C	MS Word Business Applications	4
CIS 111 C	Computer Information Systems	3
CIS 132 C	Spreadsheet-Excel for Windows	4
CIS 142 C	Database-Access for Windows	3

CIS 211 C	Introduction to Programming	3
BUS 111 C or BUS 211 C	Business Communications Writing for Business	3
Total Units		25

Program Student Learning Outcomes:

OUTCOME 1: Demonstrate an understanding of common computer technology related terms to identify, interpret and classify common technology concepts.

OUTCOME 2: Demonstrate an understanding in common Business Software programs to design, create and analyze various business documents and data storage systems.

OUTCOME 3: Demonstrate the ability to be effective communicators using common business communication tools to evaluate, explain and compare basic computer security threats.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1709

Computer Programming Certificate

PROGRAM CODE: 1C21106

Financial Aid Eligible

The **Computer Programming Certificate** is designed to provide a working knowledge of what is required to be successful in the design, development, implementation, and maintenance of software programs and solutions based on user needs and requirements. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required core course (3 units)		
CSCI 242 C	Computer Architecture and Organization	3
Select any two beginning programming courses (6 units)		
CSCI 123 C	Introduction to Programming Concepts in C++	3
CIS 234 C	Data Structures in Java	3
CIS 275 C	Data Structures in Python	3
Select one advanced course (3 units)		
CSCI 133 C	Data Structures in C++	3
CIS 234 C	Data Structures in Java	3
CIS 275 C	Data Structures in Python	3
Select one or two electives for a total of (4 units)		
CIS 190 C	IT and Cybersecurity Funds	4
CIS 256 C	Application Security and Penetration Testing	4
CSCI 252 C	Discrete Structures	3
CIS 274 C	IT Project Management	3
COUN 139 C	Career Exploration (formerly COUN 141 C)	1
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Acquire the skills necessary for workforce preparation in the field of computer programming, including object-oriented programming principles, secure coding, and the software development life cycle (SDLC).

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1633

Cyber Defense Associate in Science Degree

Division: Business and Computer Information Systems

PROGRAM CODE: 1S37246

Financial Aid Eligible

The **Cyber Defense Associate in Science Degree** provides concepts and hands-on skills to identify Cybersecurity threats and implement procedures to protect Cyber assets. It will also enhance students' chances to pursue a professional career in Cybersecurity by preparing them for industry-recognized certificates such as CompTIA ITF+, Network+, Security+, CySA+, Project+, Cisco CCNA and CyberOps, and AWS Certified Cloud Practitioner and Certified Solutions Architect – Associate. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires a total of 26-28 units in the major, in addition to other graduation requirements.

Code	Title	Units
Complete the required and elective core courses and one area of emphasis (26 to 28 units)		
Required Core Courses (8 units):		
CIS 190 C	IT and Cybersecurity Funds	4
CIS 230 C	Cisco Networking 1	4
Elective core courses (9 units)		
CIS 195 C	Network Security	3
CIS 196 C	Ethical Hacking	3
CIS 247 C	Python Programming	3
Complete all courses in one emphasis area from the following areas:		9-11
<i>Cisco Networking Emphasis (9 units):</i>		
CIS 231 C & CIS 232 C	Cisco Networking 2 and Cisco Networking 3	6
<i>Select ONE secondary Course for the Cisco Networking Emphasis (3 units):</i>		
CIS 239 C or CIS 233 C or CIS 258 C	CCNA Bootcamp Cisco CyberOps Cisco Security	3
OR		
<i>System Administration and Technical Support Emphasis (9 units):</i>		
CIS 164 C & CIS 185 C	IT Support Services and Administering Windows Server	6
<i>Select ONE secondary Course for the System Administration and Technical Support Emphasis (3 units):</i>		

CIS 189 C	Administrating Windows Active Directory Services	3
or CIS 243 C	Linux Server Administration	
or CIS 110 C	Linux Operating System	
OR		
<i>Visualization and Cloud Computing Emphasis (9 units):</i>		
CIS 201 C & CIS 259 C	Microsoft Virtualization and Cloud Deployment and Advanced Cloud Implementation	6
<i>Select ONE secondary Course for the Virtualization & Cloud Computing Emphasis (3 units):</i>		
CIS 202 C	VMware Cloud and Virtualization Networking	3
or CIS 274 C	IT Project Management	
OR		
<i>Development, Security, and Operations (DevSecOps) Engineering emphasis (11 units)</i>		
CIS 257 C	Cloud Implementation and Security	4
<i>Select ONE secondary Course for the Development, Security, and Operations (DevSecOps) Engineering Emphasis (3 units):</i>		
CIS 226 C	Java Programming	3
or CIS 226 C	Java Programming	
or CIS 256 C	Application Security and Penetration Testing	
or CIS 259 C	Advanced Cloud Implementation	
or CIS 274 C	IT Project Management	
or CIS 275 C	Data Structures in Python	
Total Units		26-28

Program Student Learning Outcomes:

OUTCOME 1: Acquire the skills, including identifying and analyzing security threats and vulnerabilities, manage local and wide area networks, implement cloud computing and virtualization solutions, and administer Windows and Linux operating systems, necessary for workforce preparation and to pursue a professional career in the field of Cybersecurity Analyst, Network Management, Cloud Architect, and System Administration and Support.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1636

Cyber Defense Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C37247N
Financial Aid Eligible

The **Cyber Defense Certificate** provides concepts and hands-on skills to identify Cybersecurity threats and implement procedures to protect Cyber assets. It will also enhance students' chances to pursue a professional career in Cybersecurity by giving them various options to prepare for industry-recognized certificates such as CompTIA ITF+, Network+, Security+, CySA+, Project+, Cisco CCNA and CyberOps, and AWS Certified Cloud Practitioner and Certified Solutions Architect – Associate. To earn a certificate, complete the required courses as listed with a grade of C or

better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 26-28 units.

Code	Title	Units
Complete the required and elective core courses and one area of emphasis (26 to 28 units)		
<i>Required core courses (8 units):</i>		
CIS 190 C	IT and Cybersecurity Funds	4
CIS 230 C	Cisco Networking 1	4
Elective core courses (9 units)		
CIS 195 C	Network Security	3
CIS 196 C	Ethical Hacking	3
CIS 247 C	Python Programming	3
Complete all courses in one emphasis area from the following areas:		9-11
<i>EMPHASIS 1: Cisco Networking Emphasis (9 units):</i>		
CIS 231 C & CIS 232 C	Cisco Networking 2 and Cisco Networking 3	6
<i>Select one emphasis area's secondary courses (3 units)</i>		
CIS 233 C	Cisco CyberOps	3
or CIS 239 C	CCNA Bootcamp	
or CIS 258 C	Cisco Security	
OR		
<i>EMPHASIS 2: System Administration and Technical Support emphasis (9 units):</i>		
CIS 164 C & CIS 185 C	IT Support Services and Administering Windows Server	6
<i>Select one emphasis area's secondary courses (3 units)</i>		
CIS 189 C	Administrating Windows Active Directory Services	3
or CIS 243 C	Linux Server Administration	
or CIS 110 C	Linux Operating System	
OR		
<i>EMPHASIS 3: Development, Security, and Operations (DevSecOps) Engineering emphasis (10 units)</i>		
CIS 257 C	Cloud Implementation and Security	4
<i>Select two emphasis area's secondary courses (3 units)</i>		
CIS 226 C	Java Programming	3
or CIS 256 C	Application Security and Penetration Testing	
or CIS 259 C	Advanced Cloud Implementation	
or CIS 274 C	IT Project Management	
or CIS 275 C	Data Structures in Python	
OR		
<i>EMPHASIS 4: Virtualization and Cloud Computing Emphasis (9 units):</i>		
CIS 201 C & CIS 259 C	Microsoft Virtualization and Cloud Deployment and Advanced Cloud Implementation	6

Select one emphasis
area's secondary
courses (3 units)

CIS 202 C	VMware Cloud and Virtualization Networking	3
or CIS 274 C	IT Project Management	

Total Units 30-32

Program Student Learning Outcomes:

OUTCOME 1: Acquire the skills, including identifying and analyzing security threats and vulnerabilities, manage local and wide area networks, implement cloud computing and virtualization solutions, and administer Windows and Linux operating systems, necessary for workforce preparation and to pursue a professional career in the field of Cybersecurity Analyst, Network Management, Cloud Architect, and System Administration and Support.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1635

Cyber Security Analyst Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 2C36689A

The **Cyber Security Analyst Certificate** is designed to prepare students who intend to pursue employment in entry-level cyber-security/forensics positions. The program provides additional technical and managerial skills to analyze cyber-security threats from a variety of perspectives at the enterprise and national levels. This certificate option requires completion of the Cyber Security Technician Certificate and additionally provides advanced courses in ethical hacking, cyber-security tools, and networking. This certificate requires 22 units. A grade of C or better is required in each course taken.

Code	Title	Units
Required Courses (13 units):		
CIS 107 F	Introduction to Operating Systems	3
CIS 180 F	Introduction to Networking Concepts	4
CYBR 100 F	Cyber Hygiene	3
CYBR 106 F	Introduction to Cybersecurity	3
Required Courses (9 units):		
CIS 290 F	Linux and UNIX Operating System	3
CYBR 210 F	Network Security	3
CYBR 230 F	Scripting Fundamentals	3
Total Units		22

Outcome 1: Demonstrate an understanding and knowledge of cybersecurity to measure the performance of security systems within an enterprise level information system.

https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=1326

Cyber Security Associate in Science Degree

Division: Business and Computer Information Systems

PROGRAM CODE: 2S40795

The **Cyber Security Associate in Science Degree** provides the skills for students to become highly skilled computer systems security professionals and to train individuals for entry-level positions as data security analyst, systems security administrators, and network security administrators. In this program, students will master the latest security technologies and will examine the issues of information security awareness, network security hardware, systems and network security planning and defense, network security organization, and the legal and ethical issues associated with cybersecurity. This degree requires 34 units in the major, in addition to other degree requirements.

Code	Title	Units
Required Courses (34 units)		
CIS 107 F	Introduction to Operating Systems	3
CIS 180 F	Introduction to Networking Concepts	4
CIS 290 F	Linux and UNIX Operating System	3
CYBR 100 F	Cyber Hygiene	3
CYBR 106 F	Introduction to Cybersecurity	3
CYBR 206 F	Ethical Hacking	3
CYBR 210 F	Network Security	3
CYBR 220 F	Introduction to Incident Response	3
CYBR 230 F	Scripting Fundamentals	3
CYBR 233 F	Application Security	3
CYBR 290 F	Management of Information Security	3
Total Units		34

Outcome 1: Use a working vocabulary of cyber-security terminology.

Outcome 2: Assess and implement continuous network monitoring and provide real-time security solutions.

Outcome 3: Assess cyber-security risk management policies in order to adequately protect an organization's critical information and assets.

https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=1327

Cybersecurity Certificate

PROGRAM CODE: 1C33780N

Financial Aid Eligible

The **Cybersecurity Certificate** prepares students to recognize Cybersecurity threats and implement procedures to protect computers, networks, programs and data from unintended or unauthorized access, change or destruction. It will also enhance students' chances to pursue a professional career in Cybersecurity by preparing them for industry-recognized certificates such as ITF+, A+, Security+, and CySA+. To earn a certificate, complete the required courses as listed with a grade of C

or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 units.

Code	Title	Units
Required courses are listed in suggested sequence: (17 units)		
CIS 190 C	IT and Cybersecurity Funds	4
CIS 230 C	Cisco Networking 1	4
CIS 195 C	Network Security	3
CIS 196 C	Ethical Hacking	3
CIS 247 C	Python Programming	3
Total Units		17

Program Student Learning Outcomes:

OUTCOME 1: Demonstrate competency applying Cybersecurity fundamentals and best practices in various computing platforms and infrastructure.

OUTCOME 2: Demonstrate competency in using various cybersecurity tools related to secure architecture, vulnerability management, intrusion detection and prevention, and incident response.

OUTCOME 3: Recognize professional responsibilities and make informed judgements as a member or leader of a team engaged in activities appropriate to the Cybersecurity discipline.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1535

Cyber Security Master Certificate

PROGRAM CODE: 2C36690

The **Cyber Security Master Certificate** is designed to prepare students who intend to pursue employment in cybersecurity/forensics positions. The program provides a comprehensive knowledge and training in technical and managerial skills to analyze cybersecurity threats from a variety of perspectives at the enterprise and national levels. This certificate option requires completion of the Cyber Security Analyst and Technician Certificates and additionally provides advanced courses in ethical hacking, incident response, application security, and information security management.. This certificate requires 34 units of required courses. A grade of C or better is required in each course taken.

Code	Title	Units
Required Courses (13 units) from Cyber Security Technician Certificate		
CIS 107 F	Introduction to Operating Systems	3
CIS 180 F	Introduction to Networking Concepts	4
CYBR 100 F	Cyber Hygiene	3
CYBR 106 F	Introduction to Cybersecurity	3
Required Courses (9 units) from Cyber Security Analyst Certificate		
CIS 290 F	Linux and UNIX Operating System	3
CYBR 210 F	Network Security	3
CYBR 230 F	Scripting Fundamentals	3
Required Courses (12 units):		
CYBR 206 F	Ethical Hacking	3

CYBR 220 F	Introduction to Incident Response	3
CYBR 233 F	Application Security	3
CYBR 290 F	Management of Information Security	3
Total Units		34

Outcome 1: Demonstrate expertise in cybersecurity to assess and implement continuous network monitoring and provide real-time security solutions.

Outcome 2: Demonstrate expertise in cybersecurity to formulate, update, and communicate organizational cybersecurity strategies and policies.

https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=1328

Cyber Security Technician Certificate

PROGRAM CODE: 2C36702B

The **Cyber Security Technician Certificate** is designed to prepare students who intend to pursue employment in entry-level cyber-security/forensics positions. The program provides the foundation skills to analyze cyber-security threats from a variety of perspectives at the enterprise and national levels. This certificate requires 13 units. A grade of C or better is required in each course taken.

Code	Title	Units
Required Courses (13 Units):		
CIS 107 F	Introduction to Operating Systems	3
CIS 180 F	Introduction to Networking Concepts	4
CYBR 100 F	Cyber Hygiene	3
CYBR 106 F	Introduction to Cybersecurity	3
Total Units		13

Outcome 1: Demonstrate an understanding and knowledge of cybersecurity to identify computing vulnerabilities and provide security solutions.

Outcome 2: Demonstrate an understanding and knowledge of cybersecurity to evaluate the computer network and information security needs of an organization.

https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=1329

Data Analytics Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C40508
Financial Aid Eligible

The **Data Analytics Certificate** helps prepare students for employment or further study in the Data Analytics field. Data Analytics is the identification, analyses and interpretation of volumes of data that are collected from a wide variety of sources. Students will learn to identify patterns and relationships in large data sets, to resolve business questions and make data-driven decisions. To earn a certificate, complete

the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are Listed in Suggested Sequence (18 units):		
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4
CIS 132 C	Spreadsheet-Excel for Windows	4
CIS 247 C	Python Programming	3
CIS 170 C	Introduction to Data Analytics	3
CIS 172 C	Data Visualization	3
COUN 139 C	Career Exploration (formerly COUN 141 C)	1
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: There is a shortage of computer information systems professionals in the United States. Participating in this program teaches a student practical skill that can lead to a career as an Information Systems professional in industries such as management of companies and enterprises, insurance carriers, technical and management consulting services, computer systems design and related services, and depository credit intermediation. Careers include Business Analytics Specialist, Business Intelligence (BI) Engineer, Data Analyst, Data Visualization Developer, Operations Research Analyst, and Market Research Analyst.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1195

Data Management Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C40985

The **Data Management Certificate** helps prepare students for employment or further study in the Data Management and Sciences field. Data Sciences is the identification, analyses and interpretation of volumes of data that are collected from a wide variety of sources. Students will learn to identify patterns and relationships in large data sets, to resolve business questions and make data-driven decisions. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses are listed in suggested sequence (16-19 units):		
CIS 142 C	Database-Access for Windows	3
CIS 236 C	Introduction to Oracle - SQL and PL and SQL	3
CIS 190 C	IT and Cybersecurity Funds	4
CIS 274 C	IT Project Management	3
COUN 151 C	Career and Life Planning	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Participating in this program teaches a student practical skill that can lead to a career as an Information Systems professional in industries such as management of companies and enterprises, insurance carriers, technical and management consulting services, computer systems design and related services, and depository credit intermediation. Careers include Business Analytics Specialist, Business Intelligence (BI) Engineer, Data Analyst, Data Visualization Developer, Operations Research Analyst, and Market Research Analyst.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1634

DevSecOps (Development, Security, and Operations) Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C40507

Financial Aid Eligible

The **DevSecOps (Development, Security, and Operations) Certificate** prepares the students for a career in DevOps and DevSecOps. The program is designed to teach students the skills of secure coding, security as code and integration of security practices within the DevOps process. Students will learn to incorporate security features in every step of the development and operations process. The curriculum also helps prepare students for the industry recognized DevSecOps, AWS Certified Cloud Practitioner, CompTIA Security+, Project+ certification exams. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 to 18 units.

Code	Title	Units
Required Courses (14 units):		
CIS 190 C or CIS 230 C	IT and Cybersecurity Funds Cisco Networking 1	4
CIS 195 C	Network Security	3
CIS 247 C	Python Programming	3
CIS 257 C	Cloud Implementation and Security	4
Elective Courses - And 1 course from the below list (3-4 units):		3-4
CIS 226 C	Java Programming	3
CIS 256 C	Application Security and Penetration Testing	4
CIS 274 C	IT Project Management	3
CIS 275 C	Data Structures in Python	3
CIS 259 C	Advanced Cloud Implementation	3
Total Units		17-18

Program Student Learning Outcomes:

Program Goals:

OUTCOME 1: Acquire the skills necessary for workforce preparation in the field of DevSecOps and DevOps, including secure coding, security as code and integration of security practices within the DevOps process and incorporation of security features in every step of the programming, development, and operations process.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1476

System Administration and Technical Support Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C30330N

Financial Aid Eligible

The **System Administration and Technical Support Certificate** is intended for those individuals who need to gain hands-on practice and competency in Windows and Linux client/server installation and administration and core computer hardware and software configuration, troubleshooting and support. Upon completion of all required courses, students will gain fundamental skills in Windows Active Directory and Linux administration, network management, technical support, help desk, and data center operations. Special emphasis is focused on server management, network infrastructure, IT operations and technical support skills. It will also enhance students' chances to pursue a professional career in network and system administration and technical support and help desk by giving them various options to prepare for industry-recognized certificates. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses are listed in suggested sequence (10 units):		
CIS 190 C	IT and Cybersecurity Funds	4
CIS 164 C	IT Support Services	3
CIS 185 C	Administering Windows Server	3
Select two courses from the following (6 units):		6
CIS 189 C	Administrating Windows Active Directory Services	3
CIS 191 C	Network Infrastructure Services	3
CIS 243 C	Linux Server Administration	3
Total Units		16

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1111

Virtualization and Cloud Computing Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C31329N

Financial Aid Eligible

This certificate is intended for those individuals who need to gain hands-on practice and competency in virtualization and cloud computing. Students will learn the necessary knowledge and skills in the evaluation, planning, analysis, design, implementation, deployment, management, and security of virtualized and cloud-based enterprise software, database, platform, storage and infrastructure services. The certificate covers recent trends in virtualization including the current wave of virtualization and cloud technologies from Amazon Web Services (AWS), Microsoft Azure, and

VMware. It will also enhance students' chances to pursue a professional career in virtualization and cloud computing by giving them various options to prepare for industry-recognized certificates. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 units.

Code	Title	Units
Required courses are listed in suggested sequence (11 units)		
CIS 190 C or CIS 230 C	IT and Cybersecurity Funds Cisco Networking 1	4
CIS 257 C	Cloud Implementation and Security	4
CIS 259 C	Advanced Cloud Implementation	3
Select any two courses (6 units)		6
CIS 201 C	Microsoft Virtualization and Cloud Deployment	3
CIS 202 C	VMware Cloud and Virtualization Networking	3
CIS 274 C	IT Project Management	3
Total Units		17

Program Student Learning Outcomes:

OUTCOME 1: Have a basic understanding of virtualization and cloud infrastructure, be familiar with general IT infrastructure and how it relates to cloud services, provision virtual machines and storage solutions in the cloud, design and troubleshoot cloud-based systems and networks and be prepared for the AWS Solutions Architect Associate certification exam.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1533

Computer Science

Division: Business and Computer Information Systems

Division Dean

Dr. Treisa Cassens (Interim)

Faculty

Jonathan Johannsen

Counselor

Robert Grantham

Computer Science Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult

the catalog of the individual school and a counselor for lower division major requirements.

- Computer Science Associate in Science Degree for Transfer (AS-T)

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Business and Computer Information Systems.

Computer Science Associate in Science Degree for Transfer (AS-T)

Division: Business and Computer Information Systems

PROGRAM CODE: 1S39923

Financial Aid Eligible

The **Computer Science Associate in Science Degree for Transfer** is designed for students who are developing computer programming skills in preparation for professional careers and/or transfer to a four-year college or university. Courses are intended to meet the needs of students at various levels of competence, from the novice to the expert. The department acquaints students with the presently available methods of computer science that are useful in solving problems of science, industry, and government; prepares students for the additional formal education and self-education required in this ever-developing field; and fosters students' abilities to solve computer science problems. 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", a newly established variation of the associate degrees traditionally offered at a California community college. Students completing these degrees (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AS-T in Computer Science students must complete the following requirements: (1) a minimum of 28 semester units or 42 quarter units in the major, (2) earn a grade of C or better in all courses required for the major, . AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires a total of 28 units.

Code	Title	Units
Required Courses are listed in suggested sequence (28 units):		
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
<i>Select 1 course paring from the following:</i>		

CSCI 123 C & CSCI 133 C	Introduction to Programming Concepts in C++ and Data Structures in C++	6
or		
CIS 226 C & CIS 234 C	Java Programming and Data Structures in Java	6
or		
CIS 247 C & CIS 275 C	Python Programming and Data Structures in Python	6
CSCI 242 C	Computer Architecture and Organization	3
CSCI 252 C	Discrete Structures	3
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
Total Units:		28

Program Student Learning Outcomes:

OUTCOME 1: Design, implement, test and debug programs using a high level language.

OUTCOME 2: Students will complete lower division courses for transfer to a CSU or other four-year institution Computer Science program.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1637

Counseling and Student Development

Division: Counseling

Division Dean

Dr. Troy Davis

- Administrative Assistant III: Lela Beck (714) 484-7334

Director, Disability Support Services

Dr. Celeste Phelps

Faculty-Counselors

To make an appointment with any of the counselors listed below, please call (714) 484-7015.

Kelly Carter
Sarah Coburn
Dr. Dawn Decker
Yolanda Duenas
Penny Gabourie
Robert Grantham
Dr. Jane Jepson
Renay Laguana-Ferriac
Mymy Lam
Marisa Lehmeier
Deborah Michelle
Jeannie Mitsch
Dr. Therese Mosqueda-Ponce

Daniel Pelletier
Dr. Deidre Porter
Jacquelyn Rangel
Cassie Rodriguez
Renee Ssensalo
Denise Vo

- Honors Program Certificate
- Liberal Arts Associate in Arts Degree with an Area of Emphasis in Arts and Humanities
- Liberal Arts Associate in Arts Degree with an Area of Emphasis in Human Communication
- Liberal Arts Associate in Arts Degree with an Area of Emphasis in Math and Science
- Liberal Arts Associate in Arts Degree with an Area of Emphasis in Social and Behavioral Sciences

The courses taught by this department contribute to the following ISLO/PSLOs: B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Honors Program Certificate

Division: Counseling

PROGRAM CODE: 1C43813

The Cypress College **Honors Program Certificate** is designed to encourage talent and ability in highly motivated students as they begin their academic studies and prepare to transfer to a four-year college or university. Students who complete the Honors Program and meet all major transfer requirements will have priority consideration for admission to specific four-year institutions. To earn this certificate, students must apply for and be accepted into the Honors Program, complete the required courses as listed with a minimum grade of "C" and have a minimum 3.0 GPA in all college courses. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 15 units.

Code	Title	Units
Required Course (3 units):		
COUN 135HC	Honors Leadership	3
Elective Courses: Select 4 courses (12 units):		
ANTH 101HC	Honors Biological Anthropology	3
ANTH 102HC	Honors Cultural Anthropology	3
ART 112HC	Honors Survey of Art History II	3
ASTR 116HC	Honors Introduction to Astronomy	3
ASTR 117HC	Honors Astronomy Lab	1
BIOL 101HC	Honors General Biology	4
COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
COMM 220HC	Honors Rhetoric of the City	3
ECON 100HC	Honors Princ of Econ-Macro	3
ECON 105HC	Honors Princ of Econ - Micro	3

ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	
ENGL 102HC	Honors Introduction to Literature	3
ENGL 104HC	Honors Critical Analysis and Literature	4
ENGL 125HC	Honors Film	3
ENGL 234HC	Honors Shakespeare	3
ENGL 260HC	Honors Survey of Arabic Literature	3
ETHS 101HC	Honors American Ethnic Studies	3
GEOG 100HC	Honors World Geography	3
GEOL 100HC	Honors Physical Geology	3
HIST 110HC	Honors Western Civilizations I	3
HIST 111HC	Honors Western Civilizations II	3
HIST 112HC	Honors World Civilizations I	3
HIST 113HC	Honors World Civilizations II	3
HIST 170HC	Honors History of the United States I	3
HIST 171HC	Honors History of the United States II	3
MUS 118HC	Honors Introduction to Opera	3
PHIL 100HC	Honors Introduction to Philosophy	3
PHIL 101HC	Honors Introduction to Religious Studies	3
PHIL 170HC	Honors Logic and Crit Thinking	3
PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	3
PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	3
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
PSY 161HC	Honors Prob Stats-Soc Sci	4
SOC 101HC	Honors Introduction to Sociology	3
PHS 270HC		
SOC 161HC	Honors Probability and Statistics-Social Sciences	4
THEA 107HC	Honors Diversity in American Theatre	3
Total Units		15

Program Student Learning Outcomes:

OUTCOME 1: Students will demonstrate satisfaction with the services that the Honors Program provides.

OUTCOME 2: After a class presentation in the Honors Program required course of COUN 135HC Honors Leadership, students will report increased knowledge of Honors Program policies and opportunities.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1545

Liberal Arts Associate in Arts Degree with an Area of Emphasis in Arts and Humanities

Division: Counseling

PROGRAM CODE: 1A18521

Financial Aid Eligible

The **Liberal Arts Associate in Arts Degree with an Area of Emphasis in Arts and Humanities** emphasizes the study of cultural, literary, humanistic activities and 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. To earn this Associate Degree students must complete:

1) All major course requirements with a grade of C or better; 2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; 3) Fulfillment of local general education requirement of a minimum of one (1) unit of coursework approved for Physical Activity and Health; 4) any elective courses to complete a minimum of 60 units; and, have a minimum GPA of 2.0. This degree requires a total of 18 units in the major in addition to other degree requirements.

Liberal Arts AA Degree: Arts and Humanities Emphasis

The Arts and Humanities option under Liberal Arts is an ideal choice for students planning on transferring to the California State University (CSU) or University of California (UC). Students are able to satisfy both their transfer institution's general education requirements, plus focus on transfer major preparation course work required by the four-year university. The Area of Emphasis listed below includes courses that transfer to CSU and/or UC. **Disclaimer: Every effort has been made to ensure the information below is accurate and timely. However, this information is unofficial and should be checked against the official information found on the ASSIST website @ www.assist.org**

Code	Title	Units
Select 18 or more units from at least 2 discipline areas:		18
ART 100 C	Fundamentals of Art for Non-Art Majors ¹	3
ART 110 C	Introduction to Art ¹	3
ART 111 C	Survey of Art History I ¹	3
ART 112 C	Survey of Art History II ¹	3
or ART 112HC	Honors Survey of Art History II	
ART 114 C	Modern Art History ¹	3
ART 116 C	Arts of Africa, Oceania, and Indigenous North America ¹	3
ART 120 C	Two-Dimensional Design ¹	3

ART 123 C	Color Theory ¹	3
ART 150 C	Ceramics Handbuilding ¹	3
ART 151 C	Ceramics Throwing ¹	3
ART 182 C	Beginning Drawing ¹	3
ART 194 C	Beginning Painting (formerly ART 189 C) (Formerly ART 189 C) ¹	3
ART 216 C	Latin American Art ¹	3
ANTH 105 C	Introduction to Linguistic Anthropology ¹	3
ANTH 107 C	Magic Witchcraft and Religion ¹	3
CHIN 101 C	Elementary Chinese-Mandarin I ¹	5
CHIN 102 C	Elementary Chinese-Mandarin II ¹	5
CHIN 203 C	Intermediate Chinese-Mandarin III ¹	5
CHIN 204 C	Intermediate Chinese-Mandarin IV	4
COMM 220 C	The Rhetoric of the City	3
or COMM 220HC	Honors Rhetoric of the City	
DANC 101 C	Multicultural Dance in the US ¹	3
ENGL 102 C	Introduction to Literature ¹	3
or ENGL 102HC	Honors Introduction to Literature	
ENGL 110 C	Humanities - Ancient and Medieval ¹	3
ENGL 111 C	Humanities - Renaissance - Present (same as INDS 101 C) ¹	3
ENGL 125 C	The Film ¹	3
or ENGL 125HC	Honors Film	
ENGL 128 C	Introduction to Short Story Writing ¹	3
ENGL 130 C	Introduction to Creative Nonfiction Writing ¹	3
ENGL 208 C	Asian American Literature ¹	3
ENGL 211 C	English Literature to 1760 ¹	3
ENGL 212 C	English Literature Since 1760 ¹	3
ENGL 221 C	American Literature to 1865 ¹	3
ENGL 222 C	American Literature Since 1865 ¹	3
ENGL 223 C	World Literature to 1650 ¹	3
ENGL 224 C	World Literature Since 1650 ¹	3
ENGL 234 C	Shakespeare ¹	3
or ENGL 234HC	Honors Shakespeare	
ENGL 239 C	Survey - Children's Literature ¹	3
ENGL 243 C	Mythology ¹	3
ENGL 248 C	Science Fiction ¹	3
ENGL 249 C	Fantasy Fiction ¹	3
ENGL 250 C	Latino-a-x Literature ¹	3
ENGL 255 C	African-American Literature I ¹	3
ENGL 256 C	African-American Literature II ¹	3
ENGL 260 C	Survey of Arabic Literature (in translation) ¹	3
or ENGL 260HC	Honors Survey of Arabic Literature	
ESL 108 C	Exploring Culture through Academic Discourse I ¹	5
ESL 109 C	Exploring Culture through Academic Discourse II ¹	5
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C) ¹	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 129 C	Introduction to African-American Studies ¹	3
ETHS 130 C	African-American History I ¹	3

ETHS 131 C	African-American History II ¹	3	MAD 131 C	Introduction to Media (formerly MM 105 C)	3
ETHS 150 C	Introduction to Chicana-o-x Studies ¹	3	MAD 191 C	Film Noir Genre ¹	3
ETHS 151 C	Chicana-o-x History I (Formerly ETHS 141 C) ¹	3	MAD 192 C	Great Directors of Cinema ¹	3
ETHS 152 C	Chicana-o-x History II ¹	3	MAD 195 C	Science Fiction Film Genre ¹	3
ETHS 159 C	Introduction to Native American Studies	3	MAD 196 C	Silent Film Genre ¹	3
ETHS 160 C	Native American History I ¹	3	MAD 197 C	Western Film Genre ¹	3
ETHS 161 C	Native American History II ¹	3	MAD 198 C	Horror Film Genre ¹	3
ETHS 170 C	Introduction to Asian Pacific American Studies ¹	3	MUS 101 C	Music Fundamentals ¹	3
ETHS 171 C	Asian Pacific American History ¹	3	MUS 113 C	Jazz History ¹	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3	MUS 114 C	History of Hip Hop - Rap ¹	3
FREN 101 C	Elementary French I ¹	5	MUS 116 C	Music Appreciation ¹	3
FREN 102 C	Elementary French II ¹	5	MUS 117 C	American Popular Music ¹	3
FREN 200 C	Conversational French	2	MUS 118 C	Introduction to Opera ¹	3
FREN 203 C	Intermediate French III ¹	4	or MUS 118HC	Honors Introduction to Opera	
FREN 204 C	Intermediate French IV ¹	4	MUS 119 C	History of Rock Music ¹	3
HIST 110 C	Western Civilizations I ¹	3	MUS 120 C	Survey of Music History ¹	3
or HIST 110HC	Honors Western Civilizations I		MUS 127 C	Music in Film ¹	3
HIST 111 C	Western Civilizations II ¹	3	PHIL 100 C	Introduction to Philosophy ¹	3
or HIST 111HC	Honors Western Civilizations II		or PHIL 100HC	Honors Introduction to Philosophy	
HIST 112 C	World Civilizations I ¹	3	PHIL 101 C	Intro to Religious Studies ¹	3
or HIST 112HC	Honors World Civilizations I		or PHIL 101HC	Honors Introduction to Religious Studies	
HIST 113 C	World Civilizations II ¹	3	PHIL 105 C	World Religions ¹	3
or HIST 113HC	Honors World Civilizations II		PHIL 110 C	Religions of the East ¹	3
HIST 120 C	History of the Holocaust	3	PHIL 120 C	Religions of the West ¹	3
HIST 125 C	U.S. History: Conflict West	3	PHIL 135 C	Social and Political Philosophy ¹	3
HIST 160 C	Asian Civilizations I ¹	3	PHIL 160 C	Introduction to Ethics ¹	3
HIST 161 C	Asian Civilizations II ¹	3	PHIL 162 C	Contemporary Moral Issues	3
HIST 163 C	History of Mexico ¹	3	PHIL 201 C	History of Ancient Philosophy ¹	3
HIST 165 C	History of the Middle East ¹	3	PHIL 202 C	History of Modern Philosophy ¹	3
HIST 170 C	History of the United States I ¹	3	PHIL 225 C	The American Religious Experience	3
or HIST 170HC	Honors History of the United States I		PHIL 230 C	Philosophy of Religion ¹	3
HIST 171 C	History of the United States II ¹	3	PHIL 240 C	Jesus and His Interpreters (Formerly PHIL 225 C) ¹	3
or HIST 171HC	Honors History of the United States II		PHOT 101 C	Introduction to Photography ¹	3
HIST 270 C	Women in United States History ¹	3	PHOT 204 C	History of Photography ¹	3
HIST 275 C	History of California ¹	3	SPAN 101 C	Elementary Spanish I ¹	5
INDS 100 C	Humanities - Ancient and Medieval (same as ENGL 110 C) ¹	3	SPAN 102 C	Elementary Spanish II ¹	5
INDS 101 C	Humanities: Renaissance-Present ¹	3	SPAN 200 C	Conversational Spanish	2
JAPN 101 C	Elementary Japanese I ¹	5	SPAN 201 C	Spanish for Spanish Speakers I ¹	5
JAPN 102 C	Elementary Japanese II ¹	5	SPAN 202 C	Spanish for Spanish Speakers II ¹	5
JAPN 125 C	Japanese Culture through Film	3	SPAN 203 C	Intermediate Spanish III ¹	4
JAPN 200 C	Conversational Japanese	2	SPAN 204 C	Intermediate Spanish IV ¹	4
JAPN 203 C	Intermediate Japanese III ¹	4	THEA 100 C	Introduction to the Theatre ¹	3
JAPN 204 C	Intermediate Japanese IV ¹	4	THEA 102 C	World Theatre History ¹	3
LING 101 C	Introduction to Language	3	THEA 105 C	Musical Theatre History	3
MAD 110 C	Animation History Technology	3	THEA 107 C	Diversity in American Theatre ¹	3
MAD 122 C	History of Graphic Design ¹	3	or THEA 107HC	Honors Diversity in American Theatre	
MAD 126 C	Crime Film Genre	3	THEA 120 C	Acting I ¹	3
MAD 127 C	Fantasy Film Genre	3	THEA 121 C	Dynamic Movement for the Stage	2
MAD 128 C	Comedy Film Genre	3	THEA 126 C	Musical Theatre Techniques I ¹	3
MAD 129 C	Musical Film Genre	3	THEA 129 C	Voice and Diction ¹	3
			THEA 132 C	Musical Theatre Performance I ¹	2-3

THEA 133 C	Rehearsal Performance I ¹	2-3
THEA 145 C	Costume Design for Theatre ¹	3
THEA 149 C	Stage Crew I - Running ¹	1-2
Total Units		18

¹ This course is transferable to UC

SPECIAL NOTE: This degree is an Associate Degree designed for transfer students; **however, it does not qualify as an Associate Degree for Transfer (ADT)** for CSU priority admission consideration. Please see a counselor for more information on differences in degree options offered at Cypress College for transfer students.

Program Student Learning Outcomes:

Outcome 1: Explain the values of a culture as expressed through its art or language. Demonstrate skills to pursue lifelong learning in the areas of arts and humanities. Make connections between the fine arts and humanities to demonstrate knowledge and an appreciation of factors that influence traditions.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1778

Liberal Arts Associate in Arts Degree with an Area of Emphasis in Human Communication

Division: Counseling

PROGRAM CODE: 1A18522

Financial Aid Eligible

The **Liberal Arts Associate in Arts Degree with an Area of Emphasis in Arts and Humanities** emphasizes the content of communication as well as the form and should provide an understanding of the psychological basis and social significance of communication. Students will be able to assess communication as the process of human symbolic interaction. Students will also develop skills in the areas of reasoning and advocacy, organization, accuracy, reading and listening effectively. Students will be able to integrate important concepts of critical thinking as related to the development of analysis, critical evaluation, to reason inductively and deductively that will enable them to make important decisions regarding their own lives and society at large. To earn this Associate Degree students must complete: 1)All major course requirements with a grade of C or better; 2)Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; 3) Fulfillment of local general education requirement of a minimum of one (1) unit of coursework approved for Physical Activity and Health; 4) any elective courses to complete a minimum of 60 units; and, have a minimum GPA of 2.0. This degree requires a total of 18 units in the major in addition to other degree requirements.

Code	Title	Units
Select 18 or more units from at least two of the following discipline areas:		18
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	

	or COMM C1000Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
COMM 110 C	Mediated Public Speaking	3
COMM 135 C	Argument and Critical Thinking	3
COMM 138 C	Forensics	1-2
COMM 238 C	Forensics	1-2
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	
	or ENGL C1000HAcademic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	
ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
ENGL C1001	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing)	
	or ENGL C1001HCritical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	
ENGL 104 C	Critical Analysis and Literature	4
	or ENGL 104HC Honors Critical Analysis and Literature	
ESL 110 C	College Composition for Non-Native Speakers	5
PHIL 170 C	Logic and Critical Thinking	3
	or PHIL 170HC Honors Logic and Crit Thinking	
PHIL 172 C	Critical Thinking and Writing	3
PHIL 175 C	Symbolic Logic	3
Total Units		18

SPECIAL NOTE: This degree is an Associate Degree designed for transfer students; **however, it does not qualify as an Associate Degree for Transfer (ADT)** for CSU priority admission consideration. Please see a counselor for more information on differences in degree options offered at Cypress College for transfer students.

Program Student Learning Outcomes:

A student who completes this program (degree/certificate) will

1. Students will demonstrate effective oral and written communication and critical thinking skills to articulate ideas to others, by incorporating knowledge of aesthetic worth to formulate value judgments Students will develop knowledge, skills, and judgment around human communication that facilitate their ability to work collaboratively with others. Such skills could include communication competencies such as managing conflict, understanding small group processes, active listening, appropriate self-disclosure, etc. Students will be able to communicate effectively orally and in writing.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1543

Liberal Arts Associate in Arts Degree with an Area of Emphasis in Social and Behavioral Sciences

Division: Counseling

PROGRAM CODE: 1A18523

Financial Aid Eligible

The **Liberal Arts Degree with Area of Emphasis: Social and Behavioral Sciences** emphasizes the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate. To earn this Associate Degree students must complete: 1) All major course requirements with a grade of C or better; 2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; 3) Fulfillment of local general education requirement of a minimum of one (1) unit of coursework approved for Physical Activity and Health; 4) any elective courses to complete a minimum of 60 units; and, have a minimum GPA of 2.0. This degree requires a total of 18 units in the major in addition to other degree requirements.

Code	Title	Units
Select 18 units from at least 2 discipline areas:		18
AJ 110 C	Introduction to Criminal Justice ¹	3
AJ 120 C	Concepts of Criminal Law ¹	3
AJ 160 C	Community and the Justice System ¹	3
ANTH 102 C	Cultural Anthropology ¹	3
	or ANTH 102HC Honors Cultural Anthropology	
ANTH 103 C	Introduction to Archaeology (Formerly ANTH 203 C) ¹	3
ANTH 104 C	Comparative Cultures ¹	3
ANTH 105 C	Introduction to Linguistic Anthropology ¹	3
ANTH 106 C	Human Prehistory and Ancient Civilizations ¹	3
ANTH 107 C	Magic Witchcraft and Religion ¹	3
ANTH 121 C	Native North America ¹	3
ANTH 208 C	Anthropology of Death ¹	3
ANTH 212 C	Applied and Practicing Anthropology (formerly ANTH 211 C) ¹	3
ANTH 225 C	Ancient Cultures of Mexico and Central America ¹	3
COMM 105 C	Interpersonal Communication ¹	3
COMM 120 C	Intercultural Communication ¹	3
DSST 120 C	The History of Disability in the United States	3
DSST 200 C	Introduction to Disability Studies	3
ECON 100 C	Principles of Economics-Macro ¹	3
	or ECON 100HC Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro ¹	3
	or ECON 105HC Honors Princ of Econ - Micro	
ECON 110 C	Survey of Economics ¹	3
ECON 120 C	International Economics ¹	3
ECON 130 C	Consumer Economics	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C) (Formerly ETHS 100 C) ¹	3
	or ETHS 101HC Honors American Ethnic Studies	
ETHS 129 C	Introduction to African-American Studies ¹	3
ETHS 130 C	African-American History I ¹	3

ETHS 131 C	African-American History II ¹	3
ETHS 150 C	Introduction to Chicana-o-x Studies (Formerly ETHS 140 C) ¹	3
ETHS 151 C	Chicana-o-x History I (Formerly ETHS 141 C) ¹	3
ETHS 152 C	Chicana-o-x History II ¹	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues ¹	3
ETHS 159 C	Introduction to Native American Studies ¹	3
ETHS 160 C	Native American History I ¹	3
ETHS 161 C	Native American History II ¹	3
ETHS 170 C	Introduction to Asian Pacific American Studies ¹	3
ETHS 171 C	Asian Pacific American History ¹	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3
ETHS 235 C	American Racial Liberation Movements ¹	3
GEOG 100 C	World Geography ¹	3
	or GEOG 100HC Honors World Geography	
GEOG 130 C	California Geography ¹	3
GEOG 160 C	Cultural Geography ¹	3
GEOG 260 C	Economic Geography ¹	3
HIST 110 C	Western Civilizations I ¹	3
	or HIST 110HC Honors Western Civilizations I	
HIST 111 C	Western Civilizations II ¹	3
	or HIST 111HC Honors Western Civilizations II	
HIST 112 C	World Civilizations I ¹	3
	or HIST 112HC Honors World Civilizations I	
HIST 113 C	World Civilizations II ¹	3
	or HIST 113HC Honors World Civilizations II	
HIST 120 C	History of the Holocaust	3
HIST 125 C	U.S. History: Conflict West	3
HIST 135 C	History of Africa ¹	3
HIST 142 C	History of Latin America I ¹	3
HIST 143 C	History of Latin America II ¹	3
HIST 151 C	Survey of British History I ¹	3
HIST 152 C	Survey of British History II ¹	3
HIST 160 C	Asian Civilizations I ¹	3
HIST 161 C	Asian Civilizations II ¹	3
HIST 163 C	History of Mexico ¹	3
HIST 165 C	History of the Middle East ¹	3
HIST 170 C	History of the United States I ¹	3
	or HIST 170HC Honors History of the United States I	
HIST 171 C	History of the United States II ¹	3
	or HIST 171HC Honors History of the United States II	
HIST 190 C	History of the Americas I (formerly HIST 162AC) (Formerly HIST 162AC) ¹	3
HIST 191 C	History of the Americas II (formerly HIST 162BC) (Formerly HIST 162BC) ¹	3
HIST 270 C	Women in United States History ¹	3
HIST 275 C	History of California ¹	3
HS 277 C	Cultural Awareness and the Health Care System	3
HUSR 200 C	Introduction to Human Services	3

INDS 200 C	Introduction to Global Citizenship Studies ¹	3
INDS 201 C	Global Citizenship Issues ¹	3
JOUR 110 C	Global Media ¹	3
JOUR 118 C	Messages for Electronic Media	3
KIN 248 C	Psychology of Sport ¹	3
KIN 249 C	Sport and United States Society (formerly PE 250 C) ¹	3
BUS 100 C	Introduction to Business	3
PHIL 165 C	Business Ethics	3
PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	3
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	3
PHS 283 C	Women's Health (formerly KIN 283 C)	3
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	POLS 100HC
POSC 250 C	Gender and Politics	3
POSC 120 C	Political Theory ¹	3
POSC 200 C	Introduction to Political Science ¹	3
POSC 209 C	Urban Politics ¹	3
POSC 210 C	Contemporary Political Issues ¹	3
POSC 215 C	Comparative Politics ¹	3
POSC 216 C	Politics of the Middle East ¹	3
POSC 230 C	International Relations ¹	3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
or PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
PSY 110 C	Applied Psychology	3
PSY 120 C	Human Sexuality ¹	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C) (Formerly PSY 237 C) ¹	3
PSY 139 C	Developmental Psychology ¹	3
PSY 145 C	Child Psychology ¹	3
PSY 202 C	Research Methods in Psychology ¹	4
PSY 221 C	The Brain and Behavior ¹	3
PSY 222 C	Abnormal Psychology ¹	3
PSY 251 C	Social Psychology ¹	3
PSY 255 C	Psychology of Aging ¹	3
SOC 101 C	Introduction to Sociology ¹	3
or SOC 101HC	Honors Introduction to Sociology	3
SOC 102 C	Social Problems ¹	3
SOC 125 C	Sociology Research Methods ¹	3
SOC 225 C	Sociology of Women ¹	3
SOC 250 C	Sociology of Aging ¹	3
SOC 275 C	Marriage and Family ¹	3
SOC 277 C	Sociology of Religion ¹	3

SOC 280 C	Media, Culture, and Society ¹	3
SOC 290 C	Sociology of Contemporary Race and Ethnic Relations ¹	3
SOC 292 C	Introduction to Criminology ¹	3
Total Units		21

¹ This course is transferable to UC

SPECIAL NOTE: This degree is an Associate Degree designed for transfer students; **however, it does not qualify as an Associate Degree for Transfer (ADT)** for CSU priority admission consideration. Please see a counselor for more information on differences in degree options offered at Cypress College for transfer students.

Program Student Learning Outcomes:

Outcome 1: Evaluate the methods of inquiry and evidence used in the behavioral and social sciences. Apply the principles of the social and behavioral sciences to the diverse world in which we live. Compare and contrast the major theoretical perspectives in the social and behavioral sciences.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1777

Liberal Arts Associate in Arts Degree with an Area of Emphasis in Math and Science

Division: Counseling

PROGRAM CODE: 1A18524

Financial Aid Eligible

The **Liberal Arts Associate in Arts Degree with an Area of Emphasis in Math and Science** emphasizes the natural sciences which examine the physical universe, its life forms, and its natural phenomena. Courses in Math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of the world's civilization. Students will also examine the influence that the acquisition of scientific knowledge has on the developmental of the world's civilizations. To earn this Associate Degree students must complete:

- 1) All major course requirements with a grade of C or better;
- 2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements;
- 3) Fulfillment of local general education requirement of a minimum of one (1) unit of coursework approved for Physical Activity and Health;
- 4) any elective courses to complete a minimum of 60 units; and, have a minimum GPA of 2.0. This degree requires a total of 18 units in the major in addition to other degree requirements.

Liberal Arts Degree: Math and Science Emphasis

The Math and Science option under Liberal Arts is an ideal choice for students planning on transferring to the California State University (CSU) or University of California (UC). Students are able to satisfy both their transfer institution's general education requirements, plus focus on transfer major preparation course work required by the four-year university. The Area of Emphasis listed below includes courses that transfer to CSU and/or UC. **Disclaimer: Every effort has been made to ensure the information below is accurate and timely. However, this information is unofficial and should be checked against the official information found on the ASSIST website @ www.assist.org**

Code	Title	Units
Select 18 or more units from at least 2 discipline areas:		18
ANTH 101 C	Biological Anthropology ¹	3
	or ANTH 101HC Honors Biological Anthropology	
ANTH 101LC	Biological Anthropology Lab ¹	1
ANTH 210 C	Introduction to Forensic Anthropology ¹	3
ASTR 116 C	Introduction to Astronomy ¹	3
	or ASTR 116HC Honors Introduction to Astronomy	
ASTR 117 C	Astronomy Lab ¹	1
	or ASTR 117HC Honors Astronomy Lab	
BIOL 101 C	General Biology ¹	4
	or BIOL 101HC Honors General Biology	
BIOL 102 C	Human Biology ¹	3
BIOL 103 C	Environmental Science ¹	3
BIOL 122 C	Marine Biology ¹	4
BIOL 135AC	Principles of Biology 1: Cell and Molecular Biology	5
BIOL 135BC	Principles of Biology 2: Organismal Biology	5
BIOL 160 C	Fundamentals of Human Anatomy and Physiology ¹	3
BIOL 210 C	Anatomy and Physiology ¹	5
BIOL 220 C	Medical Microbiology ¹	4
BIOL 231 C	General Human Anatomy ¹	4
BIOL 241 C	General Human Physiology ¹	4
BIOL 277 C	Genetics ¹	3
BIOL 278 C	Molecular Biology ¹	4
CHEM 100 C	Chemistry for Daily Life ¹	4
CHEM 101 C	Chemistry for Health Science Majors I ¹	4.5
CHEM 103 C	Chemistry and Society ¹	3
CHEM 104 C	Physical Science for Teachers ¹	4
CHEM 107 C	Preparation for General Chemistry ¹	5
CHEM 111AC	General Chemistry I ¹	5
CHEM 111BC	General Chemistry II ¹	5
CHEM 201 C	Chemistry for Health Science Majors II ¹	4.5
GEOG 102 C	Physical Geography ¹	3
GEOG 102LC	Physical Geography - Lab ¹	1
GEOG 140 C	Weather and Climate ¹	3
GEOL 100 C	Physical Geology ¹	3
	or GEOL 100HC Honors Physical Geology	
GEOL 101 C	Physical Geology Laboratory ¹	1

GEOL 103 C	Historical Geology ¹	4
GEOL 104 C	Geology of National Parks	3
GEOL 105 C	Earth Science for Teachers	4
GEOL 115 C	Physical Geology Field Lab ¹	1
GEOL 120 C	Geology of California ¹	3
GEOL 125 C	Natural Disasters ¹	3
GEOL 130 C	Introduction to Oceanography ¹	3
GEOL 131 C	Introduction to Oceanography Lab ¹	1
GEOL 190 C	Environmental Geology ¹	3
MATH 100 C	Liberal Arts Mathematics ¹	3
MATH 110 C	Math for Prospective Teachers ¹	4
	or MATH 110PC Math for Prospective Teachers	
MATH 115 C	Finite Mathematics ¹	4
	or MATH 115PC Finite Mathematics	
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics) ¹	
	or MATH 120PC Introduction to Probability and Statistics	
MATH 130 C	Business Calculus ¹	4
	or MATH 130PC Business Calculus	
MATH 141 C	College Algebra ¹	4
	or MATH 141PC College Algebra	
MATH 142 C	Trigonometry	4
MATH 150AC	Calculus I ¹	4
MATH 150BC	Calculus II ¹	4
MATH 150PC	Calculus I	4
MATH 220 C	Introduction to Data Science with R	4
MATH 250AC	Multivariable Calculus ¹	4
MATH 250BC	Linear Algebra and Differential Equations ¹	5
PHS 107 C	Nutrition and World Food Issue	3
PHSC 104 C	Physical Science for Teachers ¹	4
PHYS 130 C	Elementary Physics ¹	4
PHYS 201 C	College Physics I ¹	4
PHYS 202 C	College Physics II ¹	4
PHYS 210 C	Physics for Life Sciences I ¹	4
PHYS 211 C	Physics for Life Sciences II ¹	4
PHYS 221 C	General Physics I ¹	4
PHYS 222 C	General Physics II ¹	4
PHYS 223 C	General Physics III ¹	4
PSY 161 C	Probability and Statistics-Social Sciences ¹	4
	or PSY 161HC Honors Prob Stats-Soc Sci	
PSY 221 C	The Brain and Behavior	3
SOC 161 C	Probability and Statistics-Social Sciences ¹	4
	or SOC 161HC Honors Probability and Statistics-Social Sciences	

Total Units **18**

¹ This course is transferable to UC

SPECIAL NOTE: This degree is an Associate Degree designed for transfer students; **however, it does not qualify as an Associate Degree for Transfer (ADT)** for CSU priority admission consideration. Please see a counselor for more information on differences in degree options offered at Cypress College for transfer students.

Program Student Learning Outcomes:

OUTCOME 1: Develop a reasoned solution to a problem. Demonstrate the ability to use the attained knowledge foundation to illustrate concepts and compare examples. Apply scientific method to solve practical problems in the sciences.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1779

Court Reporting

Division: Business and Computer Information Systems

Division Dean

Dr. Treisa Cassens (Interim)

Faculty

Carolee Freer

Counselor

Robert Grantham

- California Court Reporters Board Accreditation Accredited Court Reporting Program
- Captioning Certificate
- CART - Communication Access Realtime Translation Certificate
- Computer Editor (Scopist) Certificate
- Court and Agency Services Certificate
- Court Reporting Associate in Science Degree
- Court Reporting Certificate
- Court Reporting Technology Certificate
- CSR-RPR Skills Certificate of Completion (Non-Credit)
- Hearing Reporter Certificate
- Law Office Administration Associate in Science Degree
- Legal Administrative Assistant Certificate
- Practicum in Beginning Machine Shorthand Certificate of Completion (Non-Credit)
- Practicum in Intermediate Machine Shorthand Certificate of Completion (Non-Credit)
- Proofreading Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

Court Reporting

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Business and Computer Information Systems, B1-Reading, B2-Writing, B3-Communicating, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Students who complete the Court Reporting program will be able to:

1. Transcribe documents at a professional level.
2. Apply the rules of grammar, spelling, punctuation, and capitalization to sentences, paragraphs, testimony, and jury charge through a systematic series of programmed (takes) testing and other projects.
3. Demonstrate an understanding and application of California and United States criminal and civil law, along with a basic knowledge of related areas of law and legal terminology.
4. Demonstrate an understanding and application of anatomy, physiology, and/or medical terminology.
5. Assume the role of the real-time reporter through simulated trials and depositions to perform various functions.
6. Produce a complete and accurate transcript of at least ten pages from steno notes, using computer-aided transcription.
7. Fulfill the state required internship hours and submit a written narration of their experiences, either in transcript format or in report format. Students will submit a timesheet signed by the supervising reporter in the field verifying hours completed.
8. Understand and apply knowledge of basic vocabulary to a variety of reporting situations.
9. Understand and follow the California codes as they apply to reporting situations.
10. Demonstrate knowledge of court and deposition procedures, along with an understanding of court structure, both state and Federal.
11. Prepare an 18,000 word steno dictionary using computer software with applications for the completion of transcripts and other documents.
12. Familiar with the California Court Reporters Code of Ethics and the National Court Reporters Association Code of Ethics and be able to apply these standards, rules, and regulations in the preparation of documents and in reporting situations.
13. Find gainful employment in a variety of court and legal areas utilizing computer and courtroom technology.
14. Work in related fields where the demand for employment opportunities is high across the nation.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Court Reporting Associate in Science Degree

Division: Business and Computer Information Systems

PROGRAM CODE: 1S07819

Financial Aid Eligible

The **Court Reporting AS degree** prepares students for a career in court reporting. The curriculum is designed to develop a working knowledge of the field of deposition reporting and court reporting. The objective of the AS degree in Court Reporting is to provide a skill-based training program through traditional teaching methods with an emphasis on practical and hands-on application of subject matter. A 60-hour internship is required. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; (3) social justice, equity, and sustainability and reading requirements; (4) any elective courses to complete a minimum of 60 units; and, (5) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. STUDENTS MUST FURNISH THEIR OWN MACHINE AND PAPER. This degree requires a total 33.5 units in the major, in addition to other degree requirements.

Code	Title	Units
Required courses are listed in suggested sequence (33.5 units):		
CTRP 071 C	Legal Terminology and Rhetoric	3
CTRP 067 C	Basic Vocabulary Development	2
CTRP 068 C	Advanced Vocabulary Development	1.5
CTRP 051 C	Court-Conference Reporting: Legal	3
CTRP 052 C	Court-Conference Reporting: Medical	3
CTRP 053 C	Court-Conference Reporting: Congressional	3
CTRP 055 C	Court-Conference Reporting: Jury Charge	3
CTRP 056 C	Court-Conference Reporting: Jury Charge 2	3
CTRP 076 C	Court and Deposition Procedures	3
CTRP 081 C	Internship - Court Reporting	3
CTRP 050 C	CSR-RPR Directed Practice	3
CTRP 074 C	CSR-RPR Exam Preparation	3
Total Units		33.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary academic skills and machine shorthand skills in order to take and pass the California Certified Shorthand Reporters (CSR) examination. Special emphasis is put on accuracy and speed with training in vocabulary, legal, medical, congressional record, and jury charge material. Students will also take the state-mandated capstone class in order to assess their academic abilities in medical, legal, court and depo procedures and other related

fields to ensure a solid foundation for future success as a CSR. This combined skillset is necessary to be employed in the field of court reporting.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1439

Law Office Administration Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S32966

Financial Aid Eligible

The **Law Office Administration Associate in Science Degree** prepares the student for a career in the legal arena. The curriculum is designed to develop a working knowledge of the legal field. To earn an Associate Degree students must complete (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires a total 26.5 units in the major, in addition to other degree requirements.

Code	Title	Units
Required courses are listed in suggested sequence: (26.5 units)		
CTRP 073AC	Spelling for Modern Business	1
CTRP 073BC	Punctuation for Court Reporting	1
CTRP 071 C	Legal Terminology and Rhetoric	3
CTRP 072 C	Legal Procedures	4
BUS 055 C	Business English	3
BUS 143 C	Introduction to Legal Research	1
CTRP 067 C	Basic Vocabulary Development	2
CTRP 068 C	Advanced Vocabulary Development	1.5
CTRP 076 C	Court and Deposition Procedures	3
CTRP 073DC	Proofreading	1
CTRP 073CC	Formatting, Style and Usage	1
CTRP 080 C	Internship - Law Office	2
or CTRP 033 C	Internship - Agency Services	
or CTRP 034 C	Internship - Court Services	
BUS 240 C	Legal Environment of Business	3
Total Units		26.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary knowledge and skills to pursue a career in Legal Office Administration including specific aptitudes in Legal and Court Procedures, Legal Terminology and Rhetoric, Legal Research, and Legal Environment of Business. These skills and knowledge are essential for careers in law office administration and paralegal positions. These skills and preparation will allow an individual to branch out into the various areas of law and court system in California. These courses are necessary in order to work in the field of law office administration.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1420

California Court Reporters Board Accreditation Accredited Court Reporting Program

Cypress College Business/CIS Division Court Reporting Program

This program was approved by the Court Reporter's Board on March 7, 1978. Academic courses completed in Adult Education are not transferable. Courses taken in Distance Education will be evaluated on an individual basis for transferability and hour requirements. Private school academics may be evaluated for certification to take the CSR examination. The California Court Reporter's Board sets the standards for hours of training under the following listed categories. The Cypress College program exceeds all state requirements. The student may go on to earn an Associate in Arts Degree or other specialized certificate. Students must furnish their own equipment, paper, & other supplies. Students must enter the program with a basic typing speed of 25 words per minute.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=90

Code	Title	Hours
1. Machine Shorthand and Transcription - 2300 Hours¹		
<i>Core Requirements²</i>		
CTRP N030C	Court Reporting Lab (Non-Credit)	0
CTRP 040 C	Beginning Machine Shorthand Theory	3
CTRP 041 C	Court Reporting Theory Review	3
CTRP N043C	Machine Shorthand Speed Building 2 (Non-Credit)	5-90
CTRP N042C	Machine Shorthand Speed Building 1 (Non-Credit)	5-90
CTRP N044C	Machine Shorthand Speed Building 3 (Non-Credit)	0
CTRP N045C	Machine Shorthand Speed Building 4 (Non-Credit)	5-90
CTRP N046C	Machine Shorthand Speed Building 5 (Non-Credit)	5-90
CTRP N047C	Machine Shorthand Speed Building 6 (Non-Credit)	5-90
CTRP N048C	Machine Shorthand Speed Building 7 (Non-Credit)	0
CTRP N049C	Machine Shorthand Speed Building 8 (Non-Credit)	0
CTRP 057 C	Machine Shorthand Challenge-160	2
CTRP 058 C	Machine Shorthand Challenge-180	2
CTRP 059 C	Machine Shorthand Challenge-200	2
CTRP 060 C	Machine Shorthand Challenge-220	2
CTRP 050 C	CSR-RPR Directed Practice	3
CTRP 051 C	Court-Conference Reporting: Legal	3
CTRP 052 C	Court-Conference Reporting: Medical	3
CTRP 053 C	Court-Conference Reporting: Congressional	3
CTRP 054 C	Two and Four Voice Testimony	3

CTRP 055 C	Court-Conference Reporting: Jury Charge	3
CTRP 056 C	Court-Conference Reporting: Jury Charge 2	3
CTRP 089 C	Court-Conference Reporting: Literary II	3
CTRP 090 C	Court-Conference Reporting: Literary	3
TOTAL HOURS		2352

¹ *STUDENTS ARE REQUIRED TO COMPLETE A MINIMUM NUMBER OF HOURS IN THE LAB EACH SEMESTER AS DETERMINED BY THE CR DEPARTMENT UNTIL ALL PROGRAM REQUIREMENTS ARE MET FOR CSR CANDIDACY AND/OR DEGREES AND CERTIFICATES.

² Section 2411(a)(7) of the CR Board regulations state that a student will be allowed a reduction in the required machine hours if a student is able to pass the qualifier examination before completing the hours described in Section 1 under Machine Shorthand and Transcription. This does not exempt a student from completing the core required classes in order to qualify.

³ CTRP 052 - 18 hours of class time will transferred to the Medical requirement.

Core Requirements must be completed in order to qualify. Students must pass one ten (10) minute qualifier in CTRP 050 C to be eligible to take the state CSR licensing examination. Transfer students must demonstrate course comparability in speed building categories.

Code	Title	Units
Electives		
CTRP 096 C	Court-Conference Reporting: Literary III	3
TOTAL HOURS		90

Machine Shorthand Core Requirements must be completed in order to qualify to take the CSR exam. Students must pass one 10-minute qualifier in CTRP 50 to be eligible to take the state CSR licensing examination. Transfer students must demonstrate course comparability in all categories.

Code	Title	Units
2. English - 240 Hours Required		
BUS 055 C	Business English	3
ENGL C1001	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing)	
CTRP 073AC	Spelling for Modern Business	1
CTRP 073BC	Punctuation for Court Reporting	1
CTRP 067 C	Basic Vocabulary Development	2
CTRP 068 C	Advanced Vocabulary Development	1.5
ENGL 135 C	Grammar and Usage	3
TOTAL HOURS		264

Code	Title	Units
3. Medical - 120 Hours Required		
HS 145 C	Survey of Medical Terminology	3
BIOL 160 C	Fundamentals of Human Anatomy and Physiology	3
or HS 147 C	Survey of Disease	
CTRP 052 C	Court-Conference Reporting: Medical	3
TOTAL HOURS		126

Code	Title	Units
4. Legal - 150 Hours Required		
CTRP 071 C	Legal Terminology and Rhetoric	3
BUS 240 C	Legal Environment of Business	3
CTRP 076 C	Court and Deposition Procedures	3
TOTAL HOURS		162

Code	Title	Units
5. Keyboarding		
45 Words Per Minute Net ¹		
CTRP 072 C	Legal Procedures	4
TOTAL HOURS		90

¹ Cypress requirement 50 net words per minute.

Code	Title	Units
6. Transcript Preparation - 25 Hours Required		
CTRP 073CC	Formatting, Style and Usage	1
CTRP 073DC	Proofreading	1
TOTAL HOURS		36

Code	Title	Units
7. Resource Materials - 5 Hours Required		
BUS 143 C	Introduction to Legal Research	1
TOTAL HOURS		18

Code	Title	Units
8. Apprenticeship Training/Court Observation - 60 Hours Required		
CTRP 081 C	Internship - Court Reporting	3
25 Hours - Court--off campus		
25 Hours - Deposition--off campus		
10 Hours - Observation - Off Campus (prior to 140 wpm) ¹		
CTRP 074 C	CSR-RPR Exam Preparation	3
TOTAL HOURS		60

¹ Observation Hours may be completed in various classes.

Code	Title	Units
9. Technology - 60 Hours Required		
CTRP 085 C	Computer Aided Transcription - Dictionary Building	2
CTRP 093 C	Information Technology-CTRP	2
Select one of the following:		
CTRP 083 C	Computer Aided Transcription - Stenograph	2
or CTRP 084 C	Computer Aided Transcription - Eclipse	
<i>Suggested Elective:</i>		
CTRP 065 C	Advanced CAT Systems	2
CTRP 091 C	Advanced Dictionary Build	2
TOTAL HOURS		108

***NOTE: An 18,000 word dictionary is required in order to take the CSR examination.**

In order for a person to qualify from a school to take the state licensing examination, the person shall complete a program at a recognized school.

For more information contact:

**Department of Consumer Affairs
The Court Reporter's Board of California
2535 Capitol Oaks Drive, Suite 230
Sacramento, CA 92583
(916) 263-3660**

This program was accredited by the Court Reporter's Board on March 7, 1978. All candidates must have a high school diploma or equivalent to take the CSR examination. (Revised July, 2022)

*Section 2411(a)(7) of the CR Board regulations state that a student will be allowed a reduction in the required machine hours if a student is able to pass the qualifier examination before completing the hours described in Section 1 under Machine Shorthand and Transcription. This does not exempt a student from completing the core required classes in order to qualify.

Captioning Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31330
Financial Aid Eligible

The **Captioning Certificate** is designed to prepare students who are interested in pursuing careers in broadcast captioning, both on-line and off-line, using the latest in realtime technology with specific application software. Students will be encouraged to explore all areas of the captioning arena for future possible employment opportunities. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 29.5 units.

Code	Title	Units
Required courses are listed in suggested sequence (29.5 units):		
CTRP 085 C	Computer Aided Transcription - Dictionary Building	2
CTRP 090 C	Court-Conference Reporting: Literary	3
CTRP 053 C	Court-Conference Reporting: Congressional	3
CTRP 054 C	Two and Four Voice Testimony	3
CTRP 055 C	Court-Conference Reporting: Jury Charge	3
CTRP 056 C	Court-Conference Reporting: Jury Charge 2	3
CTRP 089 C	Court-Conference Reporting: Literary II	3
CTRP 096 C	Court-Conference Reporting: Literary III	3
CTRP 068 C	Advanced Vocabulary Development	1.5
CTRP 091 C	Advanced Dictionary Build	2
CTRP 088 C	Internship - Captioning	3
Total Units		29.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary skills and training to pursue a career as a captionist. Particular emphasis is put on Advanced Vocabulary Development, Dictionary Building, Congressional Record material, multi-voice applications, and Literary style dictation in order to work as a

captionist for television programs, conventions, and both live on-air and the delayed realtime delivery of captioned shows, videos, and specific Internet applications. These skills are necessary in order to work as a captionist.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1442

CART - Communication Access Realtime Translation Certificate

Division: Career Technical Education

PROGRAM CODE: 1C07821

Financial Aid Eligible

The **CART - Communication Access Realtime Translation Certificate** will provide the student with an opportunity for future employment as a classroom captionist shadowing a hearing-impaired individual, providing a realtime translation of all proceedings. The training program provides for an internship experience, where students will learn first-hand the job duties of a CART reporter. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. STUDENTS MUST FURNISH THEIR OWN MACHINE AND PAPER. This certificate requires a total of 25.5 units

Code	Title	Units
Required courses are listed in suggested sequence (25.5 units):		
CTRP 051 C	Court-Conference Reporting: Legal	3
CTRP 052 C	Court-Conference Reporting: Medical	3
CTRP 054 C	Two and Four Voice Testimony	3
CTRP 067 C	Basic Vocabulary Development	2
CTRP 068 C	Advanced Vocabulary Development	1.5
CTRP 090 C	Court-Conference Reporting: Literary	3
CTRP 089 C	Court-Conference Reporting: Literary II	3
CTRP 065 C	Advanced CAT Systems	2
CTRP 091 C	Advanced Dictionary Build	2
CTRP 079 C	Internship- CART	3
Total Units		25.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary skills to work with a hearing-impaired individual providing realtime translation and feedback in seminars, classrooms, meetings, and large scale venues. The certificate focuses on accuracy and speed building emphasizing a variety of writing skillsets in legal, literary, and medical terminology, along with realtime training and vocabulary development for application to keyboard outlines. The development of these skills is necessary to provide the basis for employment as a CART reporter.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1443

Computer Editor (Scopist) Certificate

Division: Career Technical Education

PROGRAM CODE: 1C07820N

Financial Aid Eligible

The **Computer Editor (Scopist) Certificate** prepares the student for employment in the field of court reporting working one-on-one with a Certified Shorthand Reporter to prepare and edit official transcripts for court, depositions, hearings, and other venues. STUDENTS MUST FURNISH THEIR OWN MACHINE AND PAPER. To earn a certificate, the student must complete the required courses as listed with a minimum grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16.5 units.

Code	Title	Units
Required courses are listed in suggested sequence (14.5 units):		
CTRP 040 C	Beginning Machine Shorthand Theory	3
CTRP 041 C	Court Reporting Theory Review	3
CTRP 071 C	Legal Terminology and Rhetoric	3
CTRP 073AC	Spelling for Modern Business	1
CTRP 073BC	Punctuation for Court Reporting	1
CTRP 073CC	Formatting, Style and Usage	1
CTRP 073DC	Proofreading	1
CTRP 097 C	Internship - Scoping and Editing	1.5
Electives: Select two units from the following courses (2 units):		2
CTRP 083 C	Computer Aided Transcription - Stenograph	2
CTRP 084 C	Computer Aided Transcription - Eclipse	2
Total Units		16.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills and ability to perform scoping and editing services for working court reporters, hearing reporters, and deposition reporters. The multiple courses that make up this certificate include basic knowledge in spelling, punctuation, formatting and proofreading, along with a knowledge of machine shorthand theory. This coursework is necessary in order to be employed as a scopist/editor.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1193

Court and Agency Services Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C30333

Financial Aid Eligible

The **Court and Agency Services Certificate** will provide the student with the necessary knowledge, skills, and training to be employed in the field of court and/or deposition agency administration and operations. The training provides for an internship experience of 40 hours. To earn a certificate, the student must complete the required courses as listed with

a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 19 units.

Code	Title	Units
Required courses are listed in the suggested sequence (19 units):		
CTRP 073AC	Spelling for Modern Business	1
CTRP 073BC	Punctuation for Court Reporting	1
CTRP 073CC	Formatting, Style and Usage	1
CTRP 073DC	Proofreading	1
CTRP 071 C	Legal Terminology and Rhetoric	3
CTRP 072 C	Legal Procedures	4
CTRP 076 C	Court and Deposition Procedures	3
CTRP 093 C	Information Technology-CTRP	2
BUS 143 C	Introduction to Legal Research	1
CTRP 033 C	Internship - Agency Services	2
or CTRP 034 C	Internship - Court Services	
Total Units		19

**** Recommended Advisory: California Notary Public license**

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary skills and knowledge to enter the field of Court and Agency services working with deposition agencies and court services. Students will gain a basic knowledge of agency operations, along with basic academic classes in spelling, punctuation, formatting, and proofreading, along with legal procedures and the application and experience using technology and its application and use in courts and agencies to produce documents and transcripts. This coursework is necessary in order to work in the field of court and agency services.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1185

Court Reporting Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C21103

Financial Aid Eligible

The **Court Reporting Certificate** - The courses listed are required to meet the requirements of the Court Reporter's Board. This program was accredited by the CR Board on March 7, 1978. Academic courses completed in Adult Education or a private Court Reporting School are not transferable. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. STUDENTS MUST FURNISH THEIR OWN MACHINE AND PAPER. This certificate requires a total of 29 units.

Code	Title	Units
Required courses (29 units):		
CTRP 052 C	Court-Conference Reporting: Medical	3
CTRP 053 C	Court-Conference Reporting: Congressional	3
CTRP 055 C	Court-Conference Reporting: Jury Charge	3
CTRP 056 C	Court-Conference Reporting: Jury Charge 2	3
CTRP 059 C	Machine Shorthand Challenge-200	2

CTRP 060 C	Machine Shorthand Challenge-220	2
CTRP 074 C	CSR-RPR Exam Preparation	3
CTRP 076 C	Court and Deposition Procedures	3
CTRP 050 C	CSR-RPR Directed Practice	3
CTRP 083 C	Computer Aided Transcription - Stenograph	2
or CTRP 084 C	Computer Aided Transcription - Eclipse	
CTRP 085 C	Computer Aided Transcription - Dictionary Building	2
Total Units		29

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary knowledge, skills, and ability to take dictation at 225 words per minute, along with the academic preparation and technological knowhow to be employed in the field of official court reporting, Federal court reporting, and deposition reporting in the state of California or on a national level. This course of study will prepare the student to take and pass the Registered Professional Reporter's (RPR) examination administered by the National Court Reporters Association. The RPR license allows individuals to work in all states in the union at the Federal level of reporting. This coursework is necessary in order to work as a Registered Professional Reporter.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1444

Court Reporting Technology Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C44530

The **Court Reporting Technology Certificate** prepares the student to work in the field of court reporting with a high degree of knowledge of the technology required to produce a finished transcript for court and deposition-related documents. To earn a certificate the student must complete the required courses as listed with a minimum grade of "C". At least 50 percent of all coursework must be completed at Cypress College. This certificate requires a total of 19 units.

Code	Title	Units
Required Courses (19 Units):		
CTRP 083 C	Computer Aided Transcription - Stenograph	2
or CTRP 084 C	Computer Aided Transcription - Eclipse	
CTRP 085 C	Computer Aided Transcription - Dictionary Building	2
CTRP 093 C	Information Technology-CTRP	2
CTRP 051 C	Court-Conference Reporting: Legal	3
CTRP 052 C	Court-Conference Reporting: Medical	3
CTRP 053 C	Court-Conference Reporting: Congressional	3
CTRP 091 C	Advanced Dictionary Build	2
CTRP 065 C	Advanced CAT Systems	2
Total Units		19

Program Student Learning Outcomes:

OUTCOME 1: Advanced knowledge of Computer Assisted software and its capabilities;

OUTCOME 2: Advanced level of steno translation based on increased dictionary size.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1591

CSR-RPR Skills Certificate of Completion (Non-Credit)

Division: Business and Computer Information Systems

PROGRAM CODE: 1C42221

This NON-CREDIT **CSR-RPR Skills Certificate**, Certified Shorthand Reporter-Registered Professional Reporter (CSR-RPR) Skills, will prepare the student to take and pass the National Court Reporter's Registered Professional Reporter (RPR) examination and the California Certified Shorthand Reporter (CSR) examination.

Code	Title	Hours
Required Courses:		
CTRP N030C	Court Reporting Lab (Non-Credit)	0
CTRP N047C	Machine Shorthand Speed Building 6 (Non-Credit)	5-90
CTRP N048C	Machine Shorthand Speed Building 7 (Non-Credit)	0
CTRP N049C	Machine Shorthand Speed Building 8 (Non-Credit)	0
Total Hours:		

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary machine shorthand skills to take and pass at speeds ranging from 180 words per minute to 225 words per minute the following: California Certified Shorthand Reporters examination and the National Court Reporter's RPR examination. These high-level stenographic skills are necessary in order to be employed as an official court reporter, deposition reporter, and Federal reporter.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1438

Hearing Reporter Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C33368

Financial Aid Eligible

The **Hearing Reporter Certificate** provides the student with the necessary knowledge, skills, and background to work in the field of convention reporting, hearing reporting, police department reporting, congressional reporting, and related fields. To earn a certificate, the required courses as

listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 25 units.

Code	Title	Units
Required courses are listed in suggested sequence (25 units):		
CTRP 090 C	Court-Conference Reporting: Literary	3
CTRP 052 C	Court-Conference Reporting: Medical	3
CTRP 053 C	Court-Conference Reporting: Congressional	3
CTRP 054 C	Two and Four Voice Testimony	3
CTRP 055 C	Court-Conference Reporting: Jury Charge	3
CTRP 056 C	Court-Conference Reporting: Jury Charge 2	3
CTRP 057 C	Machine Shorthand Challenge-160	2
CTRP 058 C	Machine Shorthand Challenge-180	2
CTRP 087 C	Internship - Hearing Reporter	3
Total Units		25

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation, abilities, and stenographic skills to record hearings in the state of California working with police departments, the Office of Administrative Hearings, legislative reporting, convention reporting, and related fields. Particular emphasis is put on Jury Charge and Congressional Record practice material. Students may pursue the goal of becoming a licensed hearing reporter in the state of California, or they can work for an agency specializing in hearing reporting without a license. These skills are necessary to work as a hearing reporter.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1440

Legal Administrative Assistant Certificate

Division: Career Technical Education

PROGRAM CODE: 1C30459N

Financial Aid Eligible

The **Legal Administrative Assistant Certificate** prepares the student to work in a variety of venues related to the legal profession including positions as a legal administrative assistant in a law office, or in the court system, and in a variety of other legal settings. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 19 units.

Code	Title	Units
Required courses are listed in suggested sequence (19 units):		
CTRP 073AC	Spelling for Modern Business	1
CTRP 073BC	Punctuation for Court Reporting	1
CTRP 071 C	Legal Terminology and Rhetoric	3
CIS 102 C	MS Word Business Applications	4
CTRP 072 C	Legal Procedures	4
BUS 055 C	Business English	3
BUS 143 C	Introduction to Legal Research	1

CTRP 080 C	Internship - Law Office	2
Total Units		19

** Recommended Advisory: California Notary Public license

Program Student Learning Outcomes:

OUTCOME 1: Acquire the entry-level skills to work in a variety of venues related to the legal profession or the California court system. The certificate is designed for students seeking employment in a law office, the court services division of the state courts, or in a variety of other legal settings. The coursework provides the student with a basic knowledge of law office procedures, English, legal terminology, and MS word applications. This coursework is necessary for employment as a Legal Administrative Assistant.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1207

Legal Videographer Certificate

Division: Business and Computer Information Systems

Program Code: 1C43007N
Financial Aid Eligible

The Legal Videographer Certificate is designed to prepare students to work in the field of legal videography in a variety of settings including, but not limited to the following: court, depositions, hearings, and other venues using the latest in videography equipment to record the proceedings. To earn a certificate, the student must complete the required courses with a grade of C or better. 50 percent of all coursework must be completed at Cypress College. This certificate requires a total of 18.5 units.

Code	Title	Units
Required courses are listed in suggested sequence (18.5 units):		
CTRP 071 C	Legal Terminology and Rhetoric	3
CTRP 072 C	Legal Procedures	4
CTRP 076 C	Court and Deposition Procedures	3
BUS 240 C	Legal Environment of Business	3
BUS 143 C	Introduction to Legal Research	1
CTRP 063 C	Internship - Legal Videography	1.5
HS 145 C	Survey of Medical Terminology	3
Total Units		18.5

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1023

Practicum in Beginning Machine Shorthand Certificate of Completion (Non-Credit)

PROGRAM CODE: 1C4223

This NON-CREDIT **Practicum in Beginning Machine Shorthand Certificate** will allow students who are interested in employment in law offices,

general offices, government offices, and other venues to acquire entry-level skills to perform simple dictation tasks.

Code	Title	Hours
Required courses:		
CTRP N030C	Court Reporting Lab (Non-Credit)	5-90
CTRP N042C	Machine Shorthand Speed Building 1 (Non-Credit)	5-90
CTRP N043C	Machine Shorthand Speed Building 2 (Non-Credit)	5-90
Total Hours:		15-270

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary basic skills to take dictation at 100 words per minute. The certificate is designed for entry-level work transcribing audio and video tapes in law offices, the court system, and other venues. These skills are necessary in order to seek employment doing basic transcription work.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1436

Practicum in Intermediate Machine Shorthand Certificate of Completion (Non-Credit)

PROGRAM CODE: 1C4222

This NON-CREDIT **Practicum in Intermediate Machine Shorthand Certificate** will prepare students for future employment in CART and hearing reporting.

Code	Title	Hours
Required Courses:		
CTRP N030C	Court Reporting Lab (Non-Credit)	5-90
CTRP N044C	Machine Shorthand Speed Building 3 (Non-Credit)	5-90
CTRP N045C	Machine Shorthand Speed Building 4 (Non-Credit)	5-90
CTRP N046C	Machine Shorthand Speed Building 5 (Non-Credit)	5-90
Total Hours:		20-360

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary intermediate skills to take dictation at speeds ranging up to 160 words per minute. The certificate is designed for intermediate level work in machine shorthand. This certificate will provide the students with stenographic skills that are applicable to non-court work specifically in law offices transcribing attorney briefs, general office work where dictated material needs to be transcribed, medical transcription, and other settings where recordation of meetings needs to be transcribed. These skills are necessary to seek employment as a transcriptionist.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1437

Proofreading Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31331

Financial Aid Eligible

The **Proofreading Certificate** provides the student with the necessary knowledge, skills, and background to work in the field of court reporting as a proofreader. To earn a certificate, a student must complete the required courses as listed with a grade of C or better. At least 50 percent of all course work must be completed at Cypress College. This certificate requires a total of 20 units.

Code	Title	Units
Required courses are listed in suggested sequence (20 units):		
CTRP 040 C	Beginning Machine Shorthand Theory	3
CTRP 041 C	Court Reporting Theory Review	3
CTRP 073AC	Spelling for Modern Business	1
CTRP 073BC	Punctuation for Court Reporting	1
CTRP 073CC	Formatting, Style and Usage	1
CTRP 073DC	Proofreading	1
CTRP 067 C	Basic Vocabulary Development	2
CTRP 068 C	Advanced Vocabulary Development	1.5
BUS 055 C	Business English	3
CTRP 093 C	Information Technology-CTRP	2
CTRP 086 C	Internship - Proofreading	1.5
Total Units		20

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary skills and knowledge to work one-on-one with a court, deposition, or hearing reporter proofreading transcripts. Special emphasis is required in formatting, proofreading, basic and advanced vocabulary, punctuation, and spelling. These skills are necessary for employment as a proofreader.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1198

Dance

Division: Visual and Performing Arts

Division Dean

Dr. Kellori Dower

Faculty

Maha Afra
Erin Landry

Counselors

Renay Laguana-Ferinac

Renee Ssensalo

Course Repeatability Limitations

Effective 2013, most active participatory courses in Art, Dance, Theater, Music, and Physical Education are no longer repeatable. The courses in the table below are related in content and therefore have been identified in distinct "family" groupings in which students are limited to a maximum of 4 course enrollments per family (withdrawals and substandard grades will be counted towards the 4 enrollment maximum). Note: Exceptions for courses still designated as repeatable are indicated in course descriptions of the college catalog and class schedules with the statement, "May be taken for credit ____ times." If students are majoring in any of these disciplines, they are advised to see their counselor to discuss options.

Discipline	Family/Related Courses	Courses Related in Content
Dance ¹	Ballet	DANC 105 C, DANC 106 C, DANC 116 C
	Modern	DANC 107 C, DANC 108 C, DANC 117 C
	Jazz	DANC 111 C, DANC 112 C
	Tap	DANC 113 C, DANC 114 C
	Performance	DANC 141 C, DANC 142 C, DANC 143 C, DANC 144 C
Dance Exceptions	Courses Maintaining Repeatability CSU, UC Required courses 1 Plus 3 Repeats	DANC 205 C - Ensemble

¹ Students are limited to four (4) semester enrollments — in Active Participatory courses — whether in a single course or in a combination of courses grouped within a family. All enrollments in courses (including enrollments in the same repeatable course) within a family count toward the maximum enrollment limitation of four (4) semester enrollments. This includes evaluative (A, B, C, D, F, P, NP) and non-evaluative (I, IP, RD, and W) grades earned. All letter grades received will be counted in GPA.

Dance Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Patrons of the Arts

The Cypress College Patrons of the Arts is a non-profit, tax-exempt organization that functions under the auspices of the Cypress College Foundation. It was founded in 1975 to encourage community participation in the college's visual & performing arts programs and exhibits, foster cultural, visual, and performing arts activities at the college, and to raise funds to provide scholarships to talented students in the fields of:

**Art
Dance
Journalism
Media Arts Design
Music
Photography
Theatre**

Please contact the Cypress College Patrons of the Arts at tchevalier@CypressCollege.edu or (714) 484-7139 for further information.

- Dance Associate in Arts Degree
- Dance Teaching Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Students who complete the Dance program, and given a dance performance or teacher setting will:

- Demonstrate knowledge of various dance techniques, choreography, performance and history of dance forms.
- Communicate dramatic and emotional content through choreography and dance.
- Analyze dance works for their historical origins and choreographic technique.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Dance Associate in Arts Degree

Division: Visual and Performing Arts

PROGRAM CODE: 1A03781

Financial Aid Eligible

The **Dance Associate in Arts Degree**: Students will receive a well rounded dance education that will prepare them to transfer as dance majors or to teach, choreograph, and perform at various community and private venues. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires 23-25 units in the major, in addition to other degree requirements.

Code	Title	Units
DANC 101 C	Multicultural Dance in the US	3
or DANC 100 C	Introduction to Dance Appreciation	
DANC 105 C	Ballet I	2
DANC 106 C	Ballet II	2
DANC 107 C	Modern Dance I	2
DANC 108 C	Modern Dance II	2
DANC 111 C	Jazz Dance I	2
DANC 112 C	Jazz Dance II	2
DANC 202 C	Elements of Choreography	2
or DANC 109 C	Dance Improvisation	
DANC 141 C	Performance Class I (formerly DANC 204 C)	2-3
or DANC 142 C	Performance Class II	
or DANC 143 C	Performance Class III	
or DANC 144 C	Performance Class IV	
Elective courses: List A select 2 courses from the following (2 units):		2
DANC 130 C	Afro-Caribbean Dance	1
DANC 136 C	Middle Eastern Dance	1
DANC 137 C	Latin and Swing Dance	1
Elective courses: List B select 2-3 units from the following:		2-3
DANC 140 C	Summer Dance Festival I	1.5-2
or DANC 145 C	Summer Dance Festival II	
DANC 203 C	Dance Production I	0.5-2
or DANC 206 C	Dance Production II	
DANC 205 C	Dance Ensemble	1-2
THEA 120 C	Acting I	3
THEA 144 C	Lighting Design for Theatre	3

THEA 145 C	Costume Design for Theatre	3
Total Units		23-25

Program Student Learning Outcomes:

OUTCOME 1: acquire the skills to enter the work place in dance, transfer, and hone skills in dance, including performance, history, diversity and social justice necessary for professional advancement in the field of dance and other field as well.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1562

Dance Teaching Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C12959
Financial Aid Eligible

The **Dance Teaching Certificate** is designed to prepare the student to teach dance at private dance studios and community centers. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (13 units):		
DANC 106 C	Ballet II	2
DANC 108 C	Modern Dance II	2
DANC 109 C	Dance Improvisation	2
or DANC 202 C	Elements of Choreography	
DANC 116 C	Ballet III	2
DANC 117 C	Modern Dance III	2
DANC 230 C	Dance Teaching Methodologies	3
Restricted Electives - Select from the following (5 units):		5
DANC 100 C	Introduction to Dance Appreciation	3
DANC 102 C	Pilates Mat Work	1
DANC 110 C	Adaptive Dance	1
DANC 111 C	Jazz Dance I	2
or DANC 112 C	Jazz Dance II	
DANC 113 C	Tap Dance I	1
or DANC 114 C	Tap Dance II	
DANC 115 C	Hip Hop Dance	1
DANC 130 C	Afro-Caribbean Dance	1
DANC 136 C	Middle Eastern Dance	1
DANC 137 C	Latin and Swing Dance	1
DANC 140 C	Summer Dance Festival I	1.5-2
DANC 141 C	Performance Class I (formerly DANC 204 C)	.5-3
or DANC 142 C	Performance Class II	
or DANC 203 C	Dance Production I	
or DANC 206 C	Dance Production II	
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: acquire the preparation skills including specifically teaching skills necessary for employment in different venues that require teaching and choreography.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1563

Dental Assisting

Division: Health Science

Division Dean

Colin Preston

Faculty

Joel Silva

Brenda Toy

Giovanna Charleston

Marisol Saucedo

Ernesto Dominguez

Counselors

Kelly Carter

Denise Vo

Marisa Lehmeier

Program Description

The Dental Assisting Program is a two-semester program that includes patient care experiences in a fully equipped on-site facility, with students assigned to clinics or dental offices for their clinical externship experiences. Course content provides the academic knowledge necessary for the competent practice of dental assisting and registered dental assisting.

The Cypress College Dental Assisting program is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of Approval without reporting requirements. The Commission is a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and by the United States Department of Education. The Cypress College Dental Assisting Program is also accredited by the Dental Board of California, the Accrediting body for the dental professionals (Auxiliaries) in California through the Department of Consumer Affairs.

At the completion of the program the student will have satisfied the requirements set forth by the Dental Board of California to be eligible for the California Registered Dental Assistant (RDA) examination and the National Certification Examination for Dental Assistants. These requirements include satisfactory completion of course work in Radiation Safety, Coronal Polish, Dental Sealants, Infection Control, the Dental

Practice Act, CPR, and all the duties for the Dental Assistant and Registered Dental Assistant. Upon satisfactory completion of the Registered Dental Assistant examination, the student will be licensed to perform all functions set forth in the Dental Practice Act by the Dental Board of California.

Program Goals

The goal of the Dental Assisting Program is to provide the student with the educational opportunity to attain the academic knowledge and competence necessary to qualify for both the National Certification Examination and the California State Registered Dental Assistant Examination, and to prepare the student for dental assisting entry-level employment as an integral member of the dental health team.

Program Objectives

1. To provide a dental assisting program to meet challenges presented by demographic changes of the current decade.
2. To promote a dental assisting curriculum that helps build student's educational and career goals in a success-oriented learning environment.
3. To provide students with the academic resources and clinical experiences to perform the functions approved by the California Dental Practice Act for a Dental Assistant and a Registered Dental Assistant with competence and judgment.
4. To provide students with academic knowledge and clinical skills in the Dental Practice Act, infection control and CPR.
5. To prepare the student to qualify for certification in Radiology Safety, Coronal Polishing and Dental Sealants.
6. To maintain a positive communication network between the advisory committee, dental community, and dental assisting program alumni.
7. To create a safe learning environment in compliance with federal and California state standards and regulations.

Minimum Standards

1. Eligibility for admission to Cypress College.
2. High School graduation, or passing of the General Education Development (GED) or high school proficiency test, or an Associate's degree or higher from a regionally accredited college/university. Spring high school graduates may apply and if accepted to the program must submit proof of graduation before enrolling in the Fall courses.
3. Evidence of good physical and mental health as determined by medical examination upon admission to the program and prior to enrollment.

Application Procedures

1. Applications must be completed **online** starting the month of **February**. Applications will be accepted until the program is full or the fall semester begins. Please see the **Health Science Application link**

on the Health Science home page <http://www.cypresscollege.edu/academics/divisions-special-programs/health-science>.

2. Enrollment is limited to the first 24 qualified applicants.

Selection Procedures

Qualified applicants will be accepted into the program first come first serve based on the date of a completed Dental Assisting application and supporting documents.

- Dental Assisting Associate in Science Degree
- Dental Assisting Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Health Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Students who complete the Dental Assisting program will be able to:

- Demonstrate the academic knowledge, skills, and competencies necessary to qualify for both the National Certification Exam and the California State Registered Dental Assistant Exam.
- Demonstrate the knowledge necessary for the ethical, legal and competent practice of dental assisting.
- Perform the functions approved by the California Dental Practice Act for a Dental Assistant and a Registered Dental Assistant, including infection control, with competence and judgment.
- Demonstrate clinical competency in dental radiology, coronal polish and dental sealants.
- Prepared for employment as a dental assistant and as an integral member of the dental team.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Dental Assisting Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S03786

Financial Aid Eligible

The **Dental Assisting Associate in Science Degree** is designed to enable a student to receive a Dental Assisting Associate in Science Degree. To earn an Associate Degree students must complete all graduation requirements to include: (1) all major course requirements with a grade of C or better; (2) Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; (3) the cultural diversity and reading requirements; (4) any elective courses to complete a minimum of 60 units; and, (5) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires a total of 31.5 units.

Code	Title	Units
FALL SEMESTER (16 units):		
DA 016 C	Dental Materials	3
DA 061 C	Oral Anatomy/Dental Assisting	3
DA 062 C	Preventive Dental Health - Basics	3
DA 063 C	Chairside Assisting I	3
DA 065 C	Radiology and Dental Assisting	3
DA 066 C	Radiology II and Dental Assisting	1
SPRING SEMESTER - (15.5 units):		
DA 058 C	Clinical Externship I	1.5
DA 059 C	Clinical Externship II	3.5
DA 067 C	Dental Specialties	3
DA 068 C	Chairside Assisting II	3
DA 069 C	Clinical Externship III	2.5
DA 070 C	Dental Office Procedures	2
Total Units		31.5

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1340

Dental Assisting Certificate

Division: Career Technical Education

PROGRAM CODE: 1C21117T

Financial Aid Eligible

The **Dental Assisting Certificate** is designed to enable a student to receive a certificate Dental Assisting. To earn a certificate, students must complete the required course as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 31.5 units.

Code	Title	Units
FALL SEMESTER (16 units):		
DA 016 C	Dental Materials	3
DA 061 C	Oral Anatomy/Dental Assisting	3
DA 062 C	Preventive Dental Health - Basics	3

DA 063 C	Chairside Assisting I	3
DA 065 C	Radiology and Dental Assisting	3
DA 066 C	Radiology II and Dental Assisting	1
SPRING SEMESTER (15.5 units):		
DA 058 C	Clinical Externship I	1.5
DA 059 C	Clinical Externship II	3.5
DA 067 C	Dental Specialties	3
DA 068 C	Chairside Assisting II	3
DA 069 C	Clinical Externship III	2.5
DA 070 C	Dental Office Procedures	2
Total Units		31.5

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1339

Dental Hygiene

Division: Health Science

Division Dean

Colin Preston

Faculty

Julia Cherney
Anna Cherie Gentry
Roberta Lawrence
Diana Tira
Kendra Velasco

Counselors

Kelly Carter
Denise Vo
Marisa Lehmeier

Pre-Dental Hygiene Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Administration of Local Anesthesia, Nitrous Oxide-Oxygen Analgesia and Periodontal Soft Tissue Curettage Certificate
- Dental Hygiene Associate in Science Degree
- Dental Hygiene Pit and Fissure Sealant Certificate
- Radiation Safety Certificate
- Ultrasonic Scaling and Coronal Polishing Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Health Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D3-Equity.

A student who completes the Dental Hygiene program will be able to:

- Gain the knowledge necessary for the ethical, legal, and competent practice of dental hygiene.
- Gain the knowledge for disease prevention and oral health promotion.
- Gain the knowledge that will allow for involvement in community projects.
- Gain the knowledge that will promote professional growth, development, and an appreciation for scholarly activity.
- Gain the knowledge to provide optimal patient care.
- Attain the knowledge, skills, and values necessary to qualify to take the examinations for licensure as a Registered Dental Hygienist, and a professional member of the allied health team.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Administration of Local Anesthesia, Nitrous Oxide-Oxygen Analgesia and Periodontal Soft Tissue Curettage Certificate

Division: Health Science

PROGRAM CODE: 1C40708

Financial Aid Eligible

The **Administration of Local Anesthesia, Nitrous Oxide-Oxygen Analgesia and Periodontal Soft Tissue Curettage Certificate** offers a curriculum that provides the student with the appropriate academic instruction to achieve eligibility for the National Board of Dental Hygiene Examiners written examination, and the CDCA/WREB/CITA (ADEX) Dental Hygiene clinical examination for licensure as a Registered Dental Hygienist, qualifying the candidate as stipulated by the Dental Hygiene Board of California. A Certificate of Completion shall be issued "Certification in Administration of Local Anesthesia, Nitrous Oxide-Oxygen Analgesia and Periodontal Soft Tissue Curettage (SLN) after a student has achieved clinical competency

of the three procedures. The Dental Hygiene Board of California set forth the requirements and the California Code of Regulations. 16 CCR 1107.

Code	Title	Units
Semester 3 (9.5 units):		
DH 220 C	Clinical Dental Hygiene	6.5
DH 255 C	Dental Anesthesiology	3
Semester 4 (6.5 units):		
DH 221 C	Clinical Dental Hygiene	6.5
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Be able to provide patients with dental hygiene process of care in disease prevention and oral health promotion utilizing knowledge, skills, and values.

OUTCOME 2: Serve in professional relationships within the community in which they serve.

OUTCOME 3: Participate in a relationship amongst the allied health care team.

OUTCOME 4: Be prepared to provide professional knowledge of and compliance with OSHA, HIPAA, Law and Ethics, Dental Hygiene Board of California, and local regulatory guidelines.

OUTCOME 5: Adhere to professional sensitivity to the patient's autonomy, beneficence, and nonmaleficence principles of ethical practice.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1702

Dental Hygiene Associate in Science Degree

Division: Health Science

PROGRAM CODE: 1S03787

Financial Aid Eligible

The **Dental Hygiene Associate in Science Degree** is accredited by the Commission on Dental Accreditation, and has been granted the Accreditation status of approval without reporting. The Commission is a specialized accrediting body recognized by the United States Department of Education and the Council on Higher Education Accreditation. This program offers a curriculum that provides the student with the appropriate academic instruction to achieve eligibility for the National Board of Dental Hygiene Examiners written examination, the CDCA/WREB/CITA (ADEX) clinical examination, and Dental Hygiene Board of California Law and Ethics written examination. To earn an Associate Degree students must complete all graduation requirements to include: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements. This degree requires a total of 60.5 units in the major, in addition to general graduation requirements.

Code	Title	Units
SEMESTER 1 (17 units):		
DH 101 C	Dental Anatomy and Morphology	2

DH 104 C	Oral Health Assessment	3
DH 106 C	Radiology Technician - Hygienists	3
DH 109 C	Pre-Clinical Dental Hygiene	5
DH 105 C	Oral Embryology and Histology (formerly DH 205 C)	2
DH 148 C	Infection and Hazard Control and Medical and Dental Emergencies Management (formerly DH 248 C)	2
SEMESTER 2 (15.5 units):		
DH 110 C	Clinical Dental Hygiene	7
DH 113 C	General and Oral Pathology	2
DH 116 C	Dental Materials - Hygienists	2.5
DH 125 C	Perio Pathology and Therapy	2
DH 112 C	Head and Neck Anatomy (formerly DH 212 C)	2
SEMESTER 3 (15.5 units):		
DH 220 C	Clinical Dental Hygiene	6.5
DH 240 C	Community Oral Health I	2
DH 250 C	Pharmacology	2
DH 255 C	Dental Anesthesiology	3
DH 260 C	Dental Care for Special Patients (formerly Dental Care for Special Needs)	2
SEMESTER 4 (12.5 units):		
DH 221 C	Clinical Dental Hygiene	6.5
DH 230 C	Dental Specialties	2
DH 241 C	Community Oral Health II	2
DH 245 C	Dental Ethics and Legal Principles (formerly Dental Jurisprudence)	2
Total Units		60.5

**DH 275 C and DH 276 C are optional electives if offered

Program Student Learning Outcomes:

OUTCOME 1: Be able to provide patients with dental hygiene process of care in disease prevention and oral health promotion utilizing knowledge, skills, and values.

OUTCOME 2: Serve in professional relationships within the community in which they serve.

OUTCOME 3: Participate in a relationship amongst the allied health care team.

OUTCOME 4: Be prepared to provide professional knowledge of and compliance with OSHA, HIPAA, Law and Ethics, Dental Hygiene Board of California, and local regulatory guidelines.

OUTCOME 5: Adhere to professional sensitivity to the patient's autonomy, beneficence, and nonmaleficence principles of ethical practice.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1701

Program Goals

The goal of the Dental Hygiene Program at Cypress College is to provide the student with the educational opportunity to attain:

1. dental hygiene process of care knowledge, skills, and values,
2. a professional relationship with the community in which they serve,
3. a relationship amongst allied health care team,
4. professional knowledgeable of and compliance with OSHA, HIPAA, Law and Ethics, Dental Hygiene Board of California, and local regulatory guidelines, as well as
5. professional sensitivity to the autonomy, beneficence, and non-maleficence principles of ethical practice.

Program Objectives

1. To educate dental hygiene students in the ethical, legal, and competent practice of dental hygiene.
2. To educate dental hygiene students in the areas of disease prevention and oral health promotion.
3. To facilitate dental hygiene student's involvement in community projects.
4. To promote professional growth, development, and an appreciation for scholarly activity.
5. To ensure the dental hygiene student provides optimal patient care.
6. To qualify for licensure as a Registered Dental Hygienist, and a professional member of the allied health team.

Minimum Standards for Applicants

1. Eligibility for admission to Cypress College.
2. High school graduation or completion of the General Education Development (GED) test or passing of high school proficiency examination.
3. Minimum of 17 years of age to apply. Must be 18 years age to start the program.
4. A minimum of 2.5 GPA in ALL college work attempted and a 3.0 GPA in the science prerequisites. Official transcript of all colleges are required.
5. Evidence of "good" physical and mental health as determined by medical examination upon admission to the program and prior to enrollment.
6. Three (3) Science courses must be completed prior to application. See list below.
7. Three (3) General Education courses must be completed prior to application.
8. All applicants accepted to the program are required to attend a mandatory orientation.
9. All accepted and alternate applicants are required to pass DH 100C Introduction to Dental Hygiene.

Prerequisites

The following courses must be completed with a minimum grade of C and an overall GPA of 3.0. 1. Science: All courses must be completed within five years of filing the initial application. Four courses must be completed

prior to application; the remainder must be completed no later than the end of the spring semester prior to enrollment in the fall program.

Selection Procedure

"Applications normally exceed capacity. Selection of applicants is based on GPA of Science prerequisite courses, GPA of General Education courses used within application will be used in the event there is a tie in GPA of Science prerequisite courses, Application Reference Number (determined by date and time of electronically submitted application) will be used in the event there is a tie in GPA of General Education courses. Criteria are subject to change. It is the applicant's responsibility to verify that evidence of criteria is on file at Cypress College."

Application Procedures

1. Applications must be completed **online** during the month of **February**. Please see the **Health Science Application link** on the Dental Hygiene home page, or visit <http://www.cypresscollege.edu/academics/divisions-special-programs/health-science>.
2. Applicants must submit official transcripts (except Cypress and Fullerton Colleges) and signature page of application **in person** to the Health Science Applications office by **March 15**. Please bring photo identification: Health Science Applications Office, Health Science Building, Cypress College, 9200 Valley View Street, Cypress, California 90630-5897.

Dental Hygiene Curriculum

Dental Hygiene courses must be taken in a specific sequence. Students must obtain a grade of C or better in all courses listed in the Dental Hygiene Curriculum to continue in the program. Refer to the General Education Requirement of the college to obtain an Associate Degree.

Upon completion of the Dental Hygiene curriculum listed below and the general education requirements, the student will be eligible for an Associate Degree in Dental Hygiene from Cypress College. To earn an Associate Degree students must complete all graduation requirements to include:

1. all major course requirements with a grade of C or better;
2. 25 units of General Education Graduation Requirements;
3. the cultural diversity and reading requirements;
4. any elective courses to complete a minimum of 60 units; and,
5. have a minimum GPA of 2.0.

Dental Hygiene Pit and Fissure Sealant Certificate

Division: Health Science

PROGRAM CODE: 1C40484

The **Dental Hygiene Pit and Fissure Sealant Certificate** offers a curriculum that provides the student with the appropriate academic

instruction to achieve eligibility for the National Board of Dental Hygiene Examiners written examination, and the Western Regional Examining Board Examination (WREB) for licensure as a Registered Dental Hygienist, qualifying the candidate as stipulated in the California Dental Practice Act. A Certificate of Completion of Pit and Fissure Sealant shall be issued after a student has achieved all procedures to clinical competency and successfully passed the courses. The Dental Board of California set forth the requirements and the California Code of Regulations of 16 CCR 107.3. In order to earn this certificate, 50% of the coursework must be completed at Cypress College. The certificate requires a total of 14.5 units.

Code	Title	Units
Semester 1: (5 units)		
DH 109 C	Pre-Clinical Dental Hygiene	5
Semester 2: (9.5 units)		
DH 110 C	Clinical Dental Hygiene	7
DH 116 C	Dental Materials - Hygienists	2.5
Total Units		14.5

Program Student Learning Outcomes

OUTCOME 1: Be able to provide patients with dental hygiene process of care in disease prevention and oral health promotion utilizing knowledge, skills, and values.

OUTCOME 2: Serve in professional relationships within the community in which they serve.

OUTCOME 3: Participate in a relationship amongst the allied health care team.

OUTCOME 4: Be prepared to provide professional knowledge of and compliance with OSHA, HIPAA, Law and Ethics, Dental Hygiene Board of California, and local regulatory guidelines.

OUTCOME 5: Adhere to professional sensitivity to the patient's autonomy, beneficence, and nonmaleficence principles of ethical practice.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1547

Radiation Safety Certificate

Division: Health Science

PROGRAM CODE: 1C40488

The **Radiation Safety Certificate** offers a curriculum that provides the student with the appropriate academic instruction to achieve eligibility for the National Board of Dental Hygiene Examiners written examination, and the Western Regional Examining Board Examination (WREB) for licensure as a Registered Dental Hygienist, qualifying the candidate as stipulated in the California Dental Practice Act. A Certificate of Completion of Radiation Safety shall be issued after a student has achieved both procedures to clinical competency and successfully passed the courses. The Dental Board of California set forth the requirements and the California Code of Regulations of 16 CCR 1014.1. In order to earn this certificate, 50% of the coursework must be completed at Cypress College. The certificate requires a total of 10 units.

Code	Title	Units
Semester 1 (3 units):		
DH 106 C	Radiology Technician - Hygienists	3
Semester 2: (7 units)		
DH 110 C	Clinical Dental Hygiene	7
Total Units		10

Program Student Learning Outcomes

OUTCOME 1: Be able to provide patients safety utilizing radiography equipment utilizing knowledge, skills, and values.

OUTCOME 2: Serve in professional relationships within the community in which they serve.

OUTCOME 3: Participate in a relationship amongst the allied health care team.

OUTCOME 4: Be prepared to provide professional knowledge of and compliance with OSHA, HIPAA, Law and Ethics, Dental Hygiene Board of California, and local regulatory guidelines.

OUTCOME 5: Adhere to professional sensitivity to the patient's autonomy, beneficence, and nonmaleficence principles of ethical practice.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1549

Ultrasonic Scaling and Coronal Polishing Certificate

Division: Health Science

PROGRAM CODE: 1C40489

The **Ultrasonic Scaling and Coronal Polishing Certificate** offers a curriculum that provides the student with the appropriate academic instruction to achieve eligibility for the National Board of Dental Hygiene Examiners written examination, and the Western Regional Examining Board Examination (WREB) for licensure as a Registered Dental Hygienist, qualifying the candidate as stipulated in the California Dental Practice Act. A Certificate of Completion of "Ultrasonic Scaling and Coronal Polishing" shall be issued after a student has achieved both procedures to clinical competency and successfully passed the courses. The Dental Board of California set forth the requirements and the California Code of Regulations of 16 CCR 107.4 and 16 CCR 107.5. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 12 units.

Code	Title	Units
Completion of Semester 1 and Semester 2 Courses in the Dental Hygiene Program		
Semester 1 (5 units):		
DH 109 C	Pre-Clinical Dental Hygiene	5
Semester 2: (7 units)		
DH 110 C	Clinical Dental Hygiene	7
Total Units		12

Program Student Learning Outcomes

OUTCOME 1: Be able to provide patients with dental hygiene process of care in disease prevention and oral health promotion utilizing knowledge, skills, and values.

OUTCOME 2: Serve in professional relationships within the community in which they serve.

OUTCOME 3: Participate in a relationship amongst the allied health care team.

OUTCOME 4: Be prepared to provide professional knowledge of and compliance with OSHA, HIPAA, Law and Ethics, Dental Hygiene Board of California, and local regulatory guidelines.

OUTCOME 5: Adhere to professional sensitivity to the patient's autonomy, beneficence, and nonmaleficence principles of ethical practice.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1548

Diagnostic Medical Sonography

Division: Health Science

Division Dean

Colin Preston

Faculty

Nancy Corrales

Lynn Mitts

Counselors

Kelly Carter

Program Mission Statement

The Cypress College Diagnostic Medical Sonography program provides a high quality education to prepare a diverse population of students with entry level skills needed to become competent and confident sonographers.

Program Goals and Objectives

1. Students will have the knowledge and skills to competently and safely perform sonography procedures.
2. Students will develop the skills necessary to communicate effectively.
3. Students will use critical thinking and problem solving skills.
4. Students will evaluate the importance of professional development and growth.
5. The program will provide the community with entry level sonographers for employment in the healthcare setting.

Program Effectiveness expected outcomes are:

- a. Students will pass the national certification exam on the 1st attempt.
- b. Students seeking employment will be gainfully employed within 6 months of graduation.
- c. Students will complete the program.
- d. Graduates will be satisfied with their education.

- e. Employers will be satisfied with the performance of newly hired technologists.

After completing the clinical internship and receiving the completion certificate, the student will be eligible to apply for the certification examination administered by the American Registry of Diagnostic Medical Sonographers (ARDMS). The Diagnostic Medical Sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs.

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

25400 US Hwy 19 North
Suite 158
Clearwater, Florida 33763
Phone: (727) 210-2350
web: www.caahep.org

Minimum Standards to Apply

1. Eligibility for admission to Cypress College.
2. High school diploma or GED test, or the high school proficiency examination.
3. Minimum age of 17 years. Must be 18 years old at the start of clinical training.
4. Present evidence of good physical and mental health, as determined by medical examination upon admission to program and prior to enrollment.
5. Overall GPA of 2.0 in all college classes taken.
6. Must have own transportation to all affiliated hospitals.
7. Eligibility for ENGL C1000 or ENGL 101 or ESL 110 (College Writing)
8. See "Prerequisites and Requirements" for specific course prerequisites needed to apply.

Program Prerequisites (both Degree and Certificate)

The following prerequisite courses must be completed at the time of application with a grade of C or better in each course. Once a passing grade (C or better) has been achieved courses cannot be repeated for a better grade.

Code	Title	Units
Prerequisites		
RADT 142 C	Radiologic Electronics	4
RADT 153 C	Radiography Patient Care	3
HS 145 C	Survey of Medical Terminology	3
HS 147 C	Survey of Disease	3
BIOL 210 C	Anatomy and Physiology	5
Select one of the following:		3-4
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
or ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
or ESL 110 C	College Composition for Non-Native Speakers	
or COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	
or COMM 050 C	Effective Communication	
MATH 100 C	Liberal Arts Mathematics	3

MATH 110 C	Math for Prospective Teachers	4
MATH 110PC	Math for Prospective Teachers	4
MATH 115 C	Finite Mathematics	4
MATH 115PC	Finite Mathematics	4
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4
MATH 120PC	Introduction to Probability and Statistics	4
MATH 130 C	Business Calculus	4
MATH 130PC	Business Calculus	4
MATH 141 C	College Algebra	4
MATH 141PC	College Algebra	4
MATH 142 C	Trigonometry	4
MATH 150AC	Calculus I	4
CIS 111 C	Computer Information Systems	3
DMS 160 C	Introduction to Sonography ¹	2

¹ DMS 160 C must be completed in the Summer Term prior to enrollment into the Fall Term of the Sonography Program. This course is offered only to the accepted and alternate students who will start the program in the next fall semester.

Application and Selection Procedure

1. A separate application, in addition to the college application, is required for admission into the Diagnostic Medical Sonography Program.
2. Applications must be completed **online** during the month of **February**. Please see the **Health Science Application link** on the Diagnostic Medical Sonography home page.
3. Applicants must submit official transcripts (except Cypress and Fullerton Colleges), to admissions and records, by **March 15**.
4. An appointment with Health Science counselor or attendance at a program information meeting is recommended to discuss selection criteria and deadlines for application process. Selection criteria will award points for grade point average in program prerequisites, and how many times an applicant has applied to the program. Selection criteria is subject to change.
5. Class enrollment is based on the number of approved clinical education centers available. Student capacity is also determined by the Joint Review Commission in Diagnostic Medical Sonographers.

- Diagnostic Medical Sonography Associate in Science Degree
- Diagnostic Medical Sonography Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Health Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation,

C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Diagnostic Medical Sonography Associate in Science Degree

Division: Health Science

PROGRAM CODE: 1S07840

Financial Aid Eligible

DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM MISSION STATEMENT. The Department of Radiologic Technology will provide occupational training in Diagnostic Medical Sonography. The purpose of this instruction is to qualify the student for examination by the American Registry of Diagnostic Medical Sonography and to prepare the student for gainful employment in Diagnostic Medical Sonography. To earn the Diagnostic Medical Sonography Associate Degree, the student must: 1) satisfactorily complete by the end of the Spring semester all college requirements for an Associate Degree General Education requirements with a grade of C or better in each course or have completed an Associate Degree or higher. This includes: Written Communication and Analytical Thinking, (6 units) ENGL C1000 3 units, CIS 111 3 units, MATH to meet GE 3 units, BIOL 210 5 units, Social Justice, Equity and Sustainability 3 units, Reading Proficiency 3 units, Social Sciences, any choice, 6 units. 2) Satisfactorily complete the prerequisite courses by the end of the Spring semester with a grade of C or better in each course: RADT 142 C Radiologic Electronics, 4 units RADT 153 C Patient Care, 3 units HS 145 C Medical Terminology, 3 units HS 147 C Survey of Disease, 3 units *DMS 160 C Introduction to Sonography all major course requirements with a grade of C or better; (3) the Social Justice, Equity and Sustainability and reading requirements; (4) any elective courses to complete a minimum of 60 units; and (5) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Total Units Required, 40 units. Note: All General Education and prerequisite courses must be completed by the application deadline. This degree requires a total of 68.5 units in addition to other graduation requirements.

Code	Title	Units
SEMESTER 1 (15 units):		
DMS 170 C	Sonography Physics	3.5
DMS 175 C	Abdomen Sonography	4
DMS 172 C	Sonography Externship	4
RADT 262 C	Cross-Sectional Imaging (May be taken prior to enrollment in the program.) ¹	1
DMS 165 C	Ethical and Legal Issues (May be taken prior to enrollment in the program.)	1.5
DMS 163 C	Scanning Lab I	1
SEMESTER 2 (16 units):		
DMS 176 C	Pathology and Small Parts	3
DMS 186 C	Obstetric and Gynecology Sonography	4

DMS 207 C	Clinical Education I	8
DMS 183 C	Scanning Lab II	1
SUMMER INTERSESSION (8.5 units):		
DMS 188 C	Venous Doppler Ultrasound	1.5
DMS 217 C	Clinical Education II	7
SEMESTER 3 (15 units):		
DMS 227 C	Clinical Training III	11
DMS 195 C	Carotid and Arterial Sonography	4
SEMESTER 4 (14 units):		
DMS 210 C	Advanced Sonography Topics	3
DMS 237 C	Clinical Education IV	11
Total Units		68.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills and knowledge, including abdomen, small parts, obstetrics, and gynecology scanning, necessary for employment in the field of sonography

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1566

Diagnostic Medical Sonography Certificate

Division: Health Science

PROGRAM CODE: 1C21115

Financial Aid Eligible

The department of Radiologic Technology will provide occupational training in Diagnostic Medical Sonography. The purpose of this instruction is to qualify the student for examination by the American Registry of Diagnostic Medical Sonography and to prepare the student for gainful employment in Diagnostic Medical Sonography. To earn a certificate, students must have an Associate Degree and complete the required DMS Program courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 68.5 units.

Code	Title	Units
SEMESTER I (15 units):		
DMS 170 C	Sonography Physics	3.5
DMS 175 C	Abdomen Sonography	4
DMS 172 C	Sonography Externship	4
RADT 262 C	Cross-Sectional Imaging (May be taken prior to enrollment in the program.) ¹	1
DMS 165 C	Ethical and Legal Issues (May be taken prior to enrollment in the program.)	1.5
DMS 163 C	Scanning Lab I	1
SEMESTER 2 (16 units):		
DMS 176 C	Pathology and Small Parts	3
DMS 186 C	Obstetric and Gynecology Sonography	4
DMS 207 C	Clinical Education I	8
DMS 183 C	Scanning Lab II	1
SUMMER INTERSESSION (8.5 units):		

DMS 188 C	Venous Doppler Ultrasound	1.5
DMS 217 C	Clinical Education II	7
SEMESTER 3 (15 units):		
DMS 227 C	Clinical Training III	11
DMS 195 C	Carotid and Arterial Sonography	4
SEMESTER 4 (14 units):		
DMS 210 C	Advanced Sonography Topics	3
DMS 237 C	Clinical Education IV	11
Total Units		68.5

¹ May be taken prior to enrollment in the program.

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills and knowledge, including abdomen, small parts, obstetrics, and gynecology scanning, necessary for employment in the field of sonography

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1567

Economics

Division: Social Sciences

Division Dean

Dr. Jamie Thomas

Faculty

Fola Odebunmi
Parwinder Sidhu

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Economics Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences, B2-Writing, C1-Analysis, C2-Computation, C4-Problem Solving, and D3-Equity.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Economics Associate in Arts Degree for Transfer Degree (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A35301

Financial Aid Eligible

The **Economics Associate in Arts Degree for Transfer (AA-T)** is designed to provide an opportunity for the economics major to achieve an Associate in Arts in Economics (AA-T in economics) which completes the first and second year requirements for transfer to a four-year public California institution. This degree is designed to provide students with a comprehensive introduction to the two major fields of economics in order to give them the background knowledge needed by undergraduate economics majors. The coursework emphasizes the practical applications of economics and knowledge in a diversity of careers and the utility of economics perspectives as a life-long learning tool for interpreting world economic events. Students successfully completing the AA-T in Economics will acquire a fundamental knowledge base of economics, learn basic knowledge and possess a basic understanding of areas that have an interdisciplinary association to Economics. This degree will provide students with an introduction to the field and its applied areas. While at least a baccalaureate degree is recommended preparation for those seeking professional careers, completion of this degree is excellent general preparation for careers in academic and applied economics, research institutes, financial institutions, education, international economic systems, corporations, government, journalism and technical writing, non-profit organizations, and many other careers. It gives students a solid basis for many career paths and can be enhanced with multidisciplinary study in related fields. This curriculum specifically prepares the prospective transfer student for upper division coursework in Economics or a similar major at a California State University (CSU) campus. At the baccalaureate level students can continue an education in various areas of Economics including Comparative Economic Systems, Environmental Economics, American Economic History, International Economics, Economic Geography, and many more. Graduate study is

- Economics Associate in Arts Degree for Transfer Degree (AA-T)

important in Economics. Those holding a Master's or Doctoral degree may find employment in college and university teaching and other educational institutions. Those without a graduate degree will find limited career opportunity in direct areas of Economics. Students should consult a counselor, the Transfer Center and the catalog of the transfer-college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. Students completing the AA-T are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AA-T in Economics students must complete: 1) a minimum of 20-22 semester or 30-33 quarter units in the Economics major with a grade of C or better; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California State University General Education Breadth requirements (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (CSU IGETC); (3) completion of 60 semester of CSU transferable coursework; and (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core Courses (14 units):		
ECON 100 C	Principles of Economics-Macro	3
or ECON 100HC	Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4
MATH 130 C	Business Calculus	4
or MATH 150AC	Calculus I	
List A: Select one course (3-5 units):		3-5
MATH 115 C	Finite Mathematics	4
MATH 150BC	Calculus II	4
ACCT 101 C	Financial Accounting	5
CIS 111 C	Computer Information Systems	3
BUS 211 C	Writing for Business	3
List B: Select one course or any course not used in List A (3-5 units):		3-5
ACCT 102 C	Managerial Accounting	5
ECON 110 C	Survey of Economics	3
ECON 120 C	International Economics	3
ECON 130 C	Consumer Economics	3
MATH 250AC	Multivariable Calculus	4
Total Units		20-24

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1435

Education

Division: Social Sciences

Division Dean

Dr. Jamie Thomas

Counselors

Mymy Lam

Dr. Therese Mosqueda-Ponce

Daniel Pelletier

- Elementary Teacher Education Associate in Arts Degree for Transfer (AA-T)

Elementary Teacher Education Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A32138

Financial Aid Eligible

The **Elementary Teacher Education Associate in Arts Degree for Transfer** (AA-T in Elementary Teacher Education) is designed to provide an opportunity for the Elementary Teacher Education major to achieve an Associate in Arts in Elementary Teacher Education for Transfer (AA-T in Elementary Teacher Education) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Elementary Teacher Education or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete

no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students with a degree in Elementary Teacher Education may pursue a career as a teacher in elementary education. To earn an AA-T in Elementary Teacher Education students must complete the following requirements: (1) a minimum of 50-52 semester units or 75-76.5 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, P (Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (3) the California General Education Transfer Curriculum (Cal-GETC) pattern, (4) 60 semester or 90 quarter CSU-transferable units, and (5) obtainment of a minimum grade point average (GPA) of 2.0.

Code	Title	Units
Required Core Courses (44-45 Units):		
EDU 200 C	Elementary School Teaching	3
GEOL 105 C	Earth Science for Teachers	4
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4-5
or ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	
or ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
or ESL 110 C	College Composition for Non-Native Speakers	
COMM C1000	Introduction to Public Speaking (formerly: COMM 100 C Human Communication)	3
or COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
CHEM 104 C	Physical Science for Teachers	4
or PHSC 104 C	Physical Science for Teachers	
BIOL 101 C	General Biology	4
or BIOL 101HC	Honors General Biology	
MATH 110 C	Math for Prospective Teachers	4
or MATH 110PC	Math for Prospective Teachers	
HIST 112 C	World Civilizations I	3
or HIST 112HC	Honors World Civilizations I	
ENGL 102 C	Introduction to Literature	3
or ENGL 102HC	Honors Introduction to Literature	
GEOG 100 C	World Geography	3
or GEOG 100HC	Honors World Geography	
HIST 170 C	History of the United States I	3
or HIST 170HC	Honors History of the United States I	
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	3
or POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government)	
PSY 145 C	Child Psychology	3
List A (Select One Critical Thinking course for 3-4 units)		3-4
ENGL C1001	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing)	

or ENGL C1001H-Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)		
ENGL 104 C	Critical Analysis and Literature	4
or ENGL 104HC Honors Critical Analysis and Literature		
PHIL 172 C	Critical Thinking and Writing	3
List B (Select one or any course not taken in List A for 3 units)		3
ART 110 C	Introduction to Art	3
MUS 116 C	Music Appreciation	3
THEA 100 C	Introduction to the Theatre	3
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3
PHS 296 C	Whole Systems Integrative Health	3
<i>*Students should meet with an Elementary Teacher Education Counselor to choose recommended elective courses"</i>		
Total Units		50-52

Program Student Learning Outcomes:

OUTCOME 1: Compare and contrast teaching strategies and approaches appropriate to students of diverse needs, abilities, and backgrounds.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1747

Engineering

Division: Science/Engineering/Mathematics

Division Dean

Patricia Menchaca

Faculty

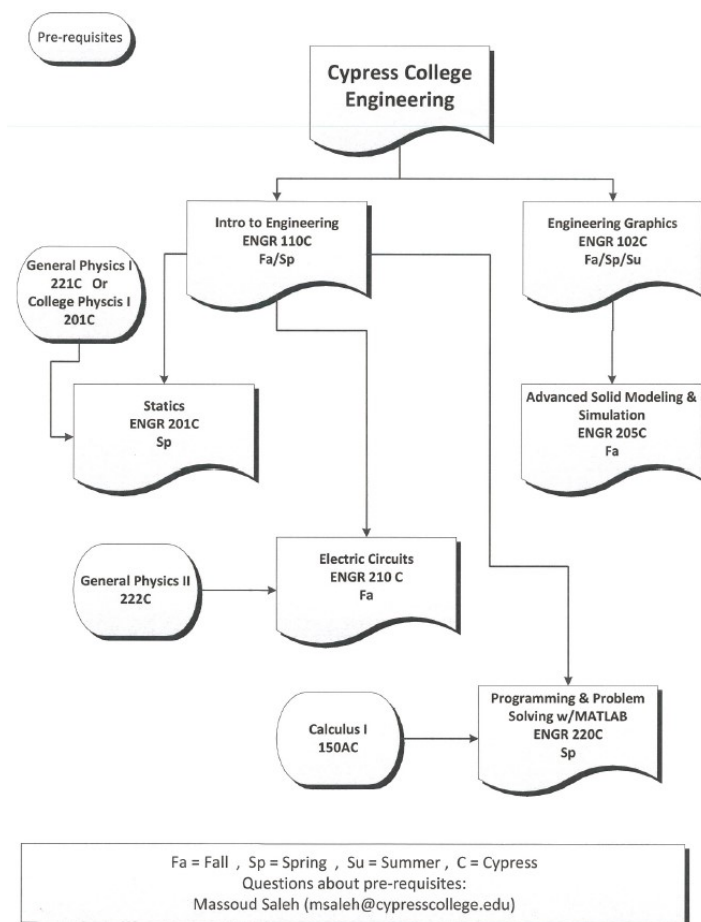
Massoud Saleh

Counselor

Ernesto Heredia

Engineering Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.



- Mechatronics and Automation Components Certificate
- Mechatronics and Automation Fundamentals Certificate
- Mechatronics and Industrial Automation Certificate
- Mechatronics, Robotics and Automation Associate in Science Degree
- Pre-Engineering Associate in Science Degree
- Robotics Technician Certificate

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Science, Technology, Engineering, and Mathematics.

Pre-Engineering Associate in Science Degree

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S03770

Financial Aid Eligible

The **Associate in Science Degree Pre-Engineering** is designed to prepare students for junior standing at most CSU and UC institutions. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses

that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This major requires 51-53 units, in addition to other graduation requirements.

Code	Title	Units
Required Courses Are Listed in Suggested Sequence (45 units):		
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
MATH 250AC	Multivariable Calculus	4
MATH 250BC	Linear Algebra and Differential Equations	5
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
PHYS 223 C	General Physics III	4
CHEM 111AC	General Chemistry I	5
ENGR 110 C	Introduction to Engineering	3
ENGR 201 C	Statics	3
ENGR 210 C	Electric Circuits Analysis	5
List A: Select 2 courses from the following (6-8 units):		6-8
ENGR 220 C	Programming and Problem-Solving in MATLAB	3
ENGR 205 C	Advanced 3D Solid Modeling and Simulation	3
ENGR 102 C	Engineering Design Graphics	3
CHEM 111BC	General Chemistry II	5
Total Units		51-53

Program Student Learning Outcomes:

OUTCOME 1: Understand the industries' progression toward automation, employ control methods and procedures, operate components of a fully integrated system, and perform troubleshooting and maintenance on an integrated system as a whole or at the component level.

OUTCOME 2: Develop effective oral and visual communication skills and effectively interpret and express ideas.

OUTCOME 3: Participate in creative thinking innovation through inquiry, analysis, evaluation, and synthesis of information.

OUTCOME 4: Understand the concept of ethics and the consequences of their actions in their decisions and choices.

OUTCOME 5: Include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1556

Mechatronics, Robotics and Automation Associate in Science Degree

Division: Technology and Engineering

PROGRAM CODE: 1S43369

Financial Aid Eligible

The **Associate in Science in Mechatronics, robotics and Automation** is designed to prepare students for employment as smart operator or system technician depending on the pathway. The program prepares students for careers in the design, operation, and maintenance of mechatronics systems, industrial robots and industrial automation systems focusing on the local industries that utilize these technologies, such as food production, petroleum production, fabrication, and logistics etc. This program focuses on the application of electronics and computer technology to industrial automation systems, including instrumentation and control, industrial robotics, and process control systems. Significant emphasis is placed on project-based learning facilitated by significant laboratory work. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 39-41 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses (29 Units):		
Must take the required nine courses listed below in the suggested sequence (total of 29 units) plus choose one area of emphasis, (additional 10-12 units depending on emphasis selected).		
ENGT 103 C	Introduction to Embedded Systems	3
ENGT 105 C	Instrumentation and Process Control	3
ENGT 107 C	Electricity and Electronics	3
ENGT 109 C	CAD/CAM in Advanced Manufacturing	4
ENGT 115 C	Electric Motors and Controls	3
ENGT 120 C	Mechanical Systems	3
ENGT 125 C	Hydraulic and Pneumatic Systems	3
ENGT 150 C	Digital Fundamentals and PLC Programming	4
ENGT 160 C	Industrial Data Network and HMI	3
Select ONE Area of Emphasis (10-12 Units):		10-12
<i>Mechatronics and Robotics Operator Emphasis:</i>		
ENGT 210 C	Principles of Robotics Systems	3
ENGT 225 C	Robot and Automation Programming	4
ENGT 240 C	Advanced Robotics (formerly Electronics and Circuits)	3
<i>Mechatronics System Technician Emphasis:</i>		
ENGT 250 C	Industrial Maintenance and Safety	3
ENGT 255 C	Integrated Automation Systems	3
ENGT 265 C	Manufacturing Operation Management	3
ENGT 290 C	Industry 4.0, IIoT, Digitization	3
Total Units		39-41

Program Student Learning Outcomes:

OUTCOME 1: Have a complete understanding of components of an automated system and can operate, maintain, and troubleshoot of such systems.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1738

Mechatronics and Automation Fundamentals Certificate

Division: Technology and Engineering

PROGRAM CODE: 1C43723

The **Mechatronics and Automation Fundamentals Certificate** is designed to prepare the students for a career in automation by exposing them to the fundamentals embedded systems, instrumentation and measurement techniques and devices and the basics of electricity and electronics. The program prepares students for careers in the design, operation, and maintenance of industrial automation systems focusing on the local industries that utilize these technologies, such as food production, petroleum production, fabrication, and logistics. This program focuses on the application of electronics and computer technology to industrial automation systems, including instrumentation and control, industrial robotics, and process control systems. Significant emphasis is placed on project-based learning facilitated by significant laboratory work. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (16 units)		
<i>Courses are listed in suggested sequence:</i>		
ENGT 103 C	Introduction to Embedded Systems	3
ENGT 105 C	Instrumentation and Process Control	3
ENGT 107 C	Electricity and Electronics	3
ENGT 109 C	CAD/CAM in Advanced Manufacturing	4
ENGT 115 C	Electric Motors and Controls	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Understand an automated system's structure and the role of different components in a fully integrated system.

OUTCOME 2: Demonstrate a deep understanding of an automated manufacturing platform and automation industry, including design, operation, preventative maintenance, troubleshooting, repair, and integration.

OUTCOME 3: Apply problem-solving skills in designing an automated system and product development.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1740

Mechatronics and Industrial Automation Certificate

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1C43497N

Financial Aid Eligible

The certificate in Mechatronics and Industrial Automation is designed to prepare students for employment as entry-level industrial automation technicians. The program prepares students for careers in the design, operation, and maintenance of industrial automation systems focusing on the local industries that utilize these technologies, such as food production, petroleum production, fabrication, and logistics. This program focuses on the application of electronics and computer technology to industrial automation systems, including instrumentation and control, industrial robotics, and process control systems. Significant emphasis is placed on project-based learning facilitated by significant laboratory work. To earn a certificate, complete the required courses as listed with a minimum grade of "C". At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 29 units.

Code	Title	Units
ENGT 103 C	Introduction to Embedded Systems	3
ENGT 105 C	Instrumentation and Process Control	3
ENGT 107 C	Electricity and Electronics	3
ENGT 109 C	CAD/CAM in Advanced Manufacturing	4
ENGT 115 C	Electric Motors and Controls	3
ENGT 120 C	Mechanical Systems	3
ENGT 125 C	Hydraulic and Pneumatic Systems	3
ENGT 150 C	Digital Fundamentals and PLC Programming	4
ENGT 160 C	Industrial Data Network and HMI	3
Total Units		29

Program Student Learning Outcomes:

OUTCOME 1: have a good understanding of components of an automated system can take steps to troubleshoot, maintain, repair a system and operate or supervise the operation of such systems.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1739

Mechatronics and Automation Components Certificate

Division: Technology and Engineering

PROGRAM CODE: 1C43696

The **Mechatronics and Automation Components Certificate** is designed to provide the students with comprehensive knowledge about different components used in any automated system. The components covered are pneumatic, hydraulic, mechanical, motors and PLC. The program prepares students for careers in the design, operation, and maintenance of industrial automation systems focusing on the local industries that utilize these technologies, such as food production, petroleum production,

fabrication, and logistics. This program focuses on the application of electronics and computer technology to industrial automation systems, including instrumentation and control, industrial robotics, and process control systems. Significant emphasis is placed on project-based learning facilitated by significant laboratory work. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (16 units):		
<i>Courses are listed in suggested sequence</i>		
ENGT 115 C	Electric Motors and Controls	3
ENGT 120 C	Mechanical Systems	3
ENGT 125 C	Hydraulic and Pneumatic Systems	3
ENGT 150 C	Digital Fundamentals and PLC Programming	4
ENGT 160 C	Industrial Data Network and HMI	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Understand an automated system's structure and the role of different components in a fully integrated system.

OUTCOME 2: Demonstrate a deep understanding of an automated manufacturing platform and automation industry, including design, operation, preventative maintenance, troubleshooting, repair, and integration.

OUTCOME 3: Apply problem-solving skills in designing an automated system and product development.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1431

Robotics Technician Certificate

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1C43440N

Financial Aid Eligible

The Robotics Technician Certificate program provides a basic foundation of industrial robotics and how they can be used in a plant or manufacturing system. The simulation softwares, integrated within the program emulates real-world robotics applications and employs the basic principles common to the vast majority of robots currently in use in the automation industry. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
ENGT 103 C	Introduction to Embedded Systems	3
ENGT 115 C	Electric Motors and Controls	3
ENGT 120 C	Mechanical Systems	3
ENGT 125 C	Hydraulic and Pneumatic Systems	3
ENGT 210 C	Principles of Robotics Systems	3
ENGT 225 C	Robot and Automation Programming	4

ENGT 240 C	Advanced Robotics (formerly Electronics and Circuits)	3

Total Units **22**

Program Student Learning Outcomes:

OUTCOME 1: Understand an automated system's structure and the role of different components in a fully integrated system.

OUTCOME 2: Demonstrate a deep understanding of an automated manufacturing platform and automation industry, including design, operation, preventative maintenance, troubleshooting, repair, and integration.

OUTCOME 3: Apply problem-solving skills in designing an automated system and product development.

https://www.curricUNET.com/Cypress/reports/program_report.cfm?programs_id=1056

Engineering Technology

Division: Science/Engineering/Mathematics

Division Dean

Patricia Menchaca

Faculty

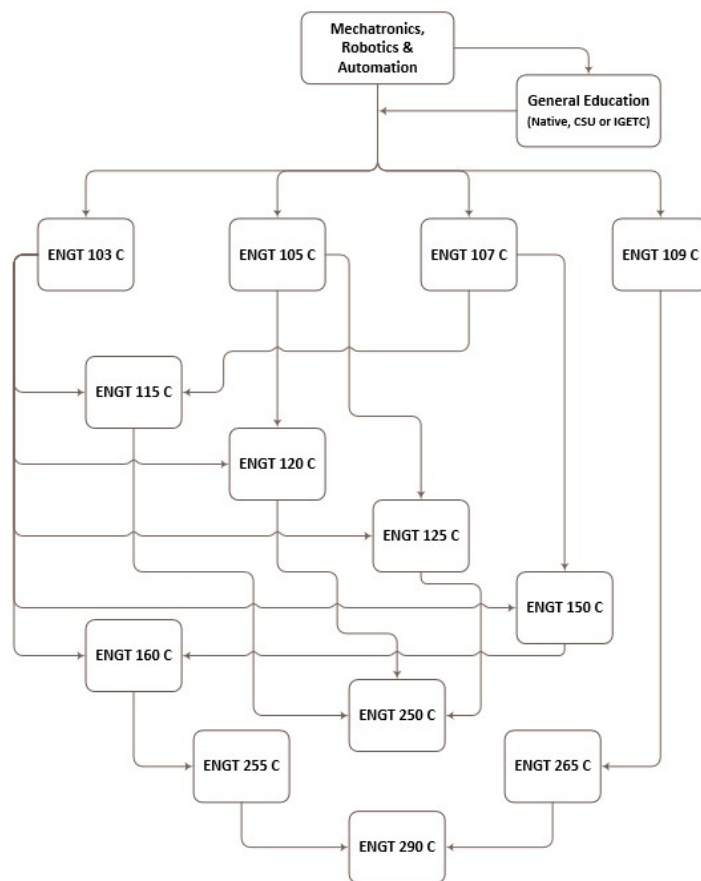
Massoud Saleh

Counselor

Ernesto Heredia

Engineering Technology Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.



The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Career Technical Education, and A1-Science, Technology, Engineering, and Mathematics.

English

Division: Language Arts

Division Dean

Dr. Janet Vera Lopez

Faculty

Linda Borla
Justin Campbell
Kendyl Covey
Christie Diep
Janet Fujimoto
Ruth Ann Gutierrez
Sarah Jones
Bret Kaufman
Lawrence Keel
Annette Letcher
Kathleen McAlister
Joseph Melodia
Melanie Nabahani
Alejandro Omidasalar

John Payne
Ashton Politanoff
Kathryn Sonne
Stephanie Tran
Keith Vescial
Randa Wahbe

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

English Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Flow Chart for English Courses

English and math assessments are no longer required. #Instead, Cypress College uses Guided Placement. The Guided Placement is a quick 5-10-minute questionnaire that helps transfer and degree seeking students select the best English, ESL, and/or math options.

Most U.S. high school graduates are ready for **ENGL 100 C Writing Compensation** (4 units), the English course requirement for all associate degrees and transfer. Some students will benefit from one-unit of additional support by taking **ENGL 101 C Enhanced College Writing** (5 units), which also meets the English course requirement for all associate degrees and transfer. Students may also benefit from enrolling in **ESL 110 C College Composition for Non-Native Speakers** (5 units). This transfer-level composition course is designed to give non-native speakers of English additional support. If you are an English as a Second Language (ESL) learner who would like to explore additional ESL options, please use the ESL Guided Placement tool, which includes the option to take this ESL 110 C course

ENGL 100 C is the prerequisite for ENGL 103 C or ENGL 104 C, which fulfills the critical thinking requirement for CSU and UC transfer.

Learning Center

The Learning Center, located in the Library Learning Resources Center, 1st Floor, provides students with the opportunity to improve their learning skills as a way of becoming more successful college students. The Center offers a wide variety of tutorial packages. Students may drop in on their own or be referred by instructors and counselors.

- Creative Writing Certificate
- English Associate in Arts Degree for Transfer (AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Creative Writing Certificate

Division: Language Arts

PROGRAM CODE: 1C37748
Financial Aid Eligible

The **Creative Writing Certificate** is designed for students seeking a broad appreciation of literature and increased skills in communication. In particular, it provides students with the opportunity to pursue their interest in creative writing through intensive study and practice of the literary arts. Students will immerse themselves in a structured, focused, and multi-faceted curriculum of the writer's art by studying literature and honing their own writing skills to create original, polished works of poetry and prose. Students will read, write, and engage in dialogue about creative works in a supportive workshop environment. Students will also receive mentorship about opportunities for publication, performance, and recitation. To earn a certificate, students will complete the required courses as listed with a grade of C or better. At least 50% of all coursework must be completed at Cypress College. The certificate requires a total of 18 units.

Code	Title	Units
Required Course (3 units):		
ENGL 105 C	Introduction to Creative Writing	3
Electives - select from the following list (15 units):		15
ENGL 102 C	Introduction to Literature	3
or ENGL 102HC Honors Introduction to Literature		
ENGL 126 C	Introduction to Screenwriting	3
ENGL 127 C	Introduction to Poetry Writing	3
ENGL 128 C	Introduction to Short Story Writing	3
ENGL 129 C	Introduction to Novel Writing	3

ENGL 130 C	Introduction to Creative Nonfiction Writing	3
ENGL 225 C	Literary Journal Publication	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Identify, analyze, and evaluate creative forms of writing.

OUTCOME 2: Brainstorm, draft, revise, and produce original works of poetry and/or prose.

OUTCOME 3: Develop reading comprehension, critical thinking skills, research strategies, and revision techniques.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1574

English Associate in Arts Degree for Transfer (AA-T)

Division: Language Arts

PROGRAM CODE: 1A32000

Financial Aid Eligible

The **English Associate in Arts Degree for Transfer (AA-T in English)** is designed to provide an opportunity for the English major to achieve an English Associate in Arts Degree for Transfer (AA-T in English) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This degree is designed to prepare students to read and write critically about literature and to understand key historical and generic influences in the production and reception of literature and other cultural texts. This curriculum specifically prepares the prospective transfer student for upper division coursework in English or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. The completion of this curriculum will demonstrate commitment to the English field and provide comprehensive preparation for upper-division work. To earn an AA-T in English students must complete the following requirements: (1) a minimum of 19 semester units or 28.5 quarter units in the English major with a grade of C or better; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core - Literature and Critical Thinking (4-7 units)		
Select Option 1 (7 units):		7
ENGL 102 C	Introduction to Literature	3
or ENGL 102HC	Honors Introduction to Literature	
<i>and</i>		
ENGL C1001	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing)	
or ENGL C1001H	Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	
Select Option 2 (4 units):		4
ENGL 104 C	Critical Analysis and Literature	4
or ENGL 104HC	Honors Critical Analysis and Literature	
LIST A: British and/or American Literature		
Select two courses (6 units):		6
ENGL 211 C	English Literature to 1760	3
ENGL 212 C	English Literature Since 1760	3
ENGL 221 C	American Literature to 1865	3
ENGL 222 C	American Literature Since 1865	3
List B - Electives		
Select courses based on option in Required Core:		
<i>Option 1: 6 units</i>		
<i>Option 2: 9 units</i>		
ENGL 105 C	Introduction to Creative Writing	3
ENGL 110 C	Humanities - Ancient and Medieval	3
or INDS 100 C	Humanities - Ancient and Medieval (same as ENGL 110 C)	
ENGL 111 C	Humanities - Renaissance - Present (same as INDS 101 C)	3
or INDS 101 C	Humanities: Renaissance-Present	
ENGL 125 C	The Film	3
or ENGL 125HC	Honors Film	
ENGL 126 C	Introduction to Screenwriting	3
ENGL 127 C	Introduction to Poetry Writing	3
ENGL 128 C	Introduction to Short Story Writing	3
ENGL 129 C	Introduction to Novel Writing	3
ENGL 130 C	Introduction to Creative Nonfiction Writing	3
ENGL 135 C	Grammar and Usage	3
ENGL 208 C	Asian American Literature	3
ENGL 223 C	World Literature to 1650	3
ENGL 224 C	World Literature Since 1650	3
ENGL 225 C	Literary Journal Publication	3
ENGL 234 C	Shakespeare	3

or ENGL 234HC Honors Shakespeare		
ENGL 239 C	Survey - Children's Literature	3
ENGL 243 C	Mythology	3
ENGL 248 C	Science Fiction	3
ENGL 250 C	Latino-a-x Literature	3
ENGL 249 C	Fantasy Fiction	3
ENGL 255 C	African-American Literature I	3
ENGL 256 C	African-American Literature II	3
ENGL 260 C	Survey of Arabic Literature (in translation)	3
or ENGL 260HC Honors Survey of Arabic Literature		
TOTAL UNITS:		19

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including analytical reading, expository writing, and critical thinking, necessary for transfer to a four-year institution.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1575

English as a Second Language (ESL)

Division: Language Arts

Division Dean

Dr. Janet Vera Lopez

Faculty

Jill Bauer

Jenelle Herman

Alison Robertson

Samantha Simmons

Kathryn Wada

Counselors

Mymy Lam

Daniel Pelletier

Cypress College has an excellent credit ESL program that has been recognized statewide for its success. In addition to these catalog pages, for more information, students can access:

- ESL Department Website
- ESL Placement

ESL Placement Procedure

Cypress College uses a Guided Placement process for ESL course placement. All students should complete the Cypress College Guided

Placement process in myGateway. For more on this, visit our ESL Placement page.

If you have questions about ESL courses, need help with using the ESL Guided Placement tool and/or registering for an ESL course, or simply want to talk with an ESL instructor about the program, email ESL@cypresscollege.edu. (ESL@cypresscollege.edu)

- All students are encouraged to complete their ESL coursework as soon as possible in their college program, and once enrolled, students must complete the course with a grade of C or better to be eligible to take the next level ESL course.
- Students can challenge a level (ESL 106-ESL 108) in this ESL program by taking a challenge test at the end of a semester. Students who successfully challenge a level will skip the next level in the course sequence.

ESL Placement Process
Step 1: Guided Placement • Students will select the most appropriate course according to their skills.
Step 2: Ask for help if needed • Counseling Appointment with Maria Haro or Deepa Tharani (International Students) • Email esl@cypresscollege.edu for more about the ESL program, certificates, and courses.

Pathways for English Language Learners

Pathway for U.S. High School Graduates or Equivalent (GED, HiSET, CHSPE)

Students who have completed a U.S. high school diploma (or equivalent) have the right to access any ESL course, including ESL 110C, as well as ENGL C1000 or ENGL C1000E. U.S. high school graduates will use the Guided Placement Tool.

English Language Learners who have graduated from a U.S. high school also have the right to access academic credit ESL coursework, including ESL 109 C, ESL 108 C, ESL 107 C, ESL 106 C, and ESL 105 C according to AB 1805.

Pathway for All Other New ESL Students

ESL students who have **not** earned a high school diploma (or equivalent) in the United States should engage in the ESL Placement Process (see above).

Credit ESL Courses

Cypress College offers transfer-level and degree-applicable courses for advanced foreign language learners of English. All courses in the ESL sequence have some form of transferability. ESL 110 C, the highest-level ESL course, is a transfer-level composition course that fulfills Written Communication transfer and degree requirements for the UC, CSU, and Cypress College. It is fully equivalent to ENGL C1000. ESL 110 C fulfills IGETC 1A, CSU A2, and the Cypress College Native degree A1 requirements. ESL 109 C and ESL 108 C fulfill the CSU C2 and Cypress College Native C2 degree Humanities requirement. ESL 107 C, ESL 106 C, and ESL 105 C all have CSU elective transferability.

ESL 105 through ESL 109 integrate multiple language skills and U.S. culture and focus on preparing students for college-level reading and writing assignments and exams. Individualized lab assignments further

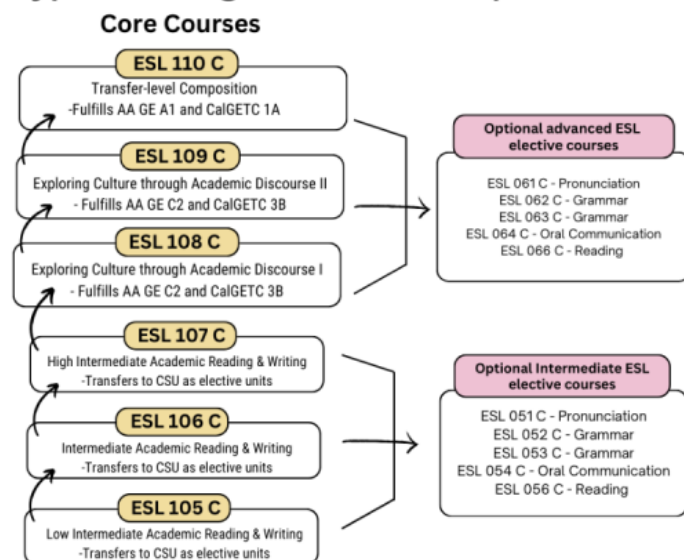
build language skills. In addition, the ESL program offers elective courses for additional skill-building in grammar, reading, listening, speaking, and pronunciation.

Finally, the Cypress College ESL Department is the first in the state to offer Guided Pathways ESL Milestone certificates which recognize the advanced language competency and success of ESL students to complete ESL coursework and prerequisite courses in their educational pathways.

Cypress College has an excellent credit ESL program that has been recognized statewide for its success. More information about credit ESL can be found on the following pages:

- ESL Catalog page
- ESL Department Website
- ESL Assessment

Cypress College ESL Course Sequence



Transfer and Degree Credit

All courses in the ESL sequence have some form of transferability. ESL 110 C, the highest-level ESL course, is a transfer-level composition course that fulfills Written Communication transfer and degree requirements for the UC, CSU, and Cypress College. It is fully equivalent to ENGL C1000. ESL 110 C fulfills CalGETC 1A and the Cypress College Native degree A1 requirements. ESL 109 C and ESL 108 C fulfill the CalGETC 3B and Cypress College Native C2 degree Humanities requirement. ESL 107 C, ESL 106 C, and ESL 105 C all have CSU elective transferability.

Guided Pathways ESL Milestone Certificates

The **Guided Pathways ESL Milestone Certificate Program** is designed to prepare English Language learners (ELLs) for the academic rigor of degree-applicable coursework in various Guided Pathways Meta Majors. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their pathways to degrees, certificates, or transfer. To earn a certificate, complete the

required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College.

- ESL Milestone Certificate- Pathway to Transfer: Language Arts/Oral Communication
- ESL Milestone Certificate- Pathway to Transfer: Language Arts/ Written Communication
- ESL Milestone Certificate- Pathway to Transfer: Social Sciences & Humanities
- ESL Milestone Certificate: Pathway to Aviation and Travel Careers
- ESL Milestone Certificate: Pathway to Business and Computer Information Systems
- ESL Milestone Certificate: Pathway to Culinary Arts and Hospitality Management
- ESL Milestone Certificate: Pathway to Dental Hygiene, Nursing, and Psychiatric Technology
- ESL Milestone Certificate: Pathway to Diagnostic Medical Sonography, Health Information Technology, and Radiological Technology
- ESL Milestone Certificate: Pathway to Kinesiology and Public Health
- ESL Milestone Certificate: Pathway to Science, Engineering, and Mathematics

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, and D3-Equity.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

ESL Milestone Certificate- Pathway to Transfer: Language Arts/Oral Communication

Division: Language Arts

PROGRAM CODE: 1C37736

Financial Aid Eligible

The **ESL Milestone Certificate - Pathway to Transfer: Language Arts/Oral Communication** is designed to prepare English Language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved

academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their pathways to degrees, certificates, or transfer. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Complete one Communication Studies course (3 units):		
ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Complete one Communication Studies course (3 units):		
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	3
or COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
or COMM 110 C	Mediated Public Speaking	
Total Units		18

Program Student Learning Outcomes

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, and introductory principles and theories of effective speech communication, computer-mediated communication, and new technologies, necessary for college coursework towards degree, certificate, or transfer in Communication Studies.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1750

ESL Milestone Certificate- Pathway to Transfer: Language Arts/Written Communication

Division: Language Arts

PROGRAM CODE: 1C37702

Financial Aid Eligible

The **ESL Milestone Certificate - Pathway to Transfer: Language Arts/Written Communication** is designed to prepare English Language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their pathways to degrees, certificates, or transfer. To earn a certificate, students must complete the required courses as listed with a grade of C or better. At least 50% of all

major course work must be completed at Cypress College. This certificate requires a total of 19-20 units.

Code	Title	Units
Required ESL courses are listed in suggested sequence (15 units):		
ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Complete one of the ESL or English courses listed below (4-5 units):		4-5
ESL 110 C	College Composition for Non-Native Speakers	5
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	
	or ENGL C1000H Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	
ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
Total Units		19-20

Program Student Learning Outcomes:

OUTCOME 1: Acquire the skills and linguistic competencies, including academic English-language reading and writing at a post-secondary level (e.g., analytical reading, research, expository and argumentative composition), necessary for success in college coursework towards a variety of degree, certificate, or general education patterns.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1642

ESL Milestone Certificate- Pathway to Transfer: Social Sciences & Humanities

Division: Language Arts

PROGRAM CODE: 1C37703

Financial Aid Eligible

The **ESL Milestone Certificate - Pathway to Transfer: Social Sciences & Humanities** is designed to prepare English Language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their pathways to Social Sciences/Humanities degrees, certificates, or transfer. To earn a certificate, students must complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required ESL courses are listed in suggested sequence (15 units):		
ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Complete one of the Social Science or Humanities courses listed below (3 units):		3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	
HIST 170 C	History of the United States I	3
or HIST 170HC	Honors History of the United States I	
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	3
or POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government)	
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
or LING 101 C	Introduction to Language	3
COMM 105 C	Interpersonal Communication	
HIST 171 C	History of the United States II	3
or HIST 171HC	Honors History of the United States II	
Total Units		18

Program Student Learning Outcomes

OUTCOMES 1: Acquire the skills and knowledge, including academic English-language reading and writing at a post-secondary level and introductory social science and humanities concepts, necessary for success in college coursework towards a variety of degree, certificate, or general education patterns

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1711

ESL Milestone Certificate: Pathway to Aviation and Travel Careers

Division: Language Arts

PROGRAM CODE: 1C37698N
Financial Aid Eligible

The **ESL Milestone Certificate: Pathway to Aviation and Travel Careers** is designed to prepare English language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways.

Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level as well as achieved prerequisite or foundational coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along Aviation and Travel Careers (ATC) pathways to degrees, certificates, or transfer. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all coursework must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required ESL courses are listed in suggested sequence (15 units):		
ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Aviation and Travel Careers Courses - select one of the following (3 units):		3
ATC 101 C	Introduction to Travel Careers	3
ATC 102 C	Career Communication and Portfolio	3
ATC 160 C	UAS Drone Basic	3
ATC 270 C	Airline Operations	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, an overview of the travel careers, career communication, UAS Drones, and airline operations, necessary for college coursework towards degree, certificate, or transfer in Aviation and Travel Careers.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1647

ESL Milestone Certificate: Pathway to Business and Computer Information Systems

Division: Language Arts

PROGRAM CODE: 1C37704
Financial Aid Eligible

The **ESL Milestone Certificate: Pathway to Business and Computer Information Systems** is designed to prepare English language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their Business and Computer Information Systems (CIS) pathways to degrees, certificates, or transfer. To earn a certificate, complete the required courses as listed with a grade of

C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18-19 units.

Code	Title	Units
Required ESL courses are listed in suggested sequence (15 units):		
ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Complete one of the following Business or Computer Information Science courses (3-4 units):		3-4
BUS 100 C	Introduction to Business	3
CIS 102 C	MS Word Business Applications	4
CIS 111 C	Computer Information Systems	3
CIS 190 C	IT and Cybersecurity Funds	4
CIS 211 C	Introduction to Programming	3
Total Units		18-19

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, an overview of business and applications, computer information systems, information technology, cybersecurity, and programming, necessary for college coursework towards degree, certificate, or transfer in Business and Computer Information Systems.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1649

ESL Milestone Certificate: Pathway to Culinary Arts and Hospitality Management

PROGRAM CODE: 1C42675
Financial Aid Eligible

The **ESL Milestone Certificate: Pathway to Culinary Arts and Hospitality Management** is designed to prepare English Language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their pathways to Culinary Arts and Hospitality Management degrees, certificates, or transfer. To earn a certificate, students must complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 17-18 units.

Code	Title	Units
Required ESL courses are listed in suggested sequence (15 units):		

ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Complete one of the Culinary Arts and Hospitality Management courses listed below (2-3 units):		
HRC 101 C or HRC 120 C	Introduction to Hospitality Management Sanitation and Safety	2-3
Total Units		17-18

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, an overview of the hospitality industry, and principles of sanitation and safety, necessary for college coursework towards degree, certificate, or transfer in Culinary Arts and Hospitality Management.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1648

ESL Milestone Certificate: Pathway to Dental Hygiene, Nursing, and Psychiatric Technology

Division: Language Arts

PROGRAM CODE: 1C37707
Financial Aid Eligible

The **ESL Milestone Certificate: Pathway to Dental Hygiene, Nursing and Psychiatric Technology** is designed to prepare English language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their pathways to Dental Hygiene, Nursing, and Psychiatric Technology degrees, certificates, or transfer. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all coursework must be completed at Cypress College. This certificate requires a total of 18-20 units.

Code	Title	Units
Required ESL courses are listed in suggested sequence (15 units):		
ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Select one of the following courses (3-5 units):		3-5
CHEM 101 C	Chemistry for Health Science Majors I	4.5

HRC 100 C	Nutrition	3
KIN 270 C	Nutrition Science and Application	3
KIN 270HC	Honors Nutrition: Science and Application	3
BIOL 160 C	Fundamentals of Human Anatomy and Physiology	3
BIOL 231 C	General Human Anatomy	4
BIOL 241 C	General Human Physiology	4
BIOL 210 C	Anatomy and Physiology	5
PSY 139 C	Developmental Psychology	3
Total Units		18-20

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, chemistry, nutrition, anatomy, physiology, and developmental psychology, necessary for college coursework towards degree, certificate, or transfer in Dental Hygiene, Nursing, and Psychiatric Technology.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1756

ESL Milestone Certificate: Pathway to Diagnostic Medical Sonography, Health Information Technology, and Radiological Technology

Division: Language Arts

PROGRAM CODE: 1C37705

Financial Aid Eligible

The **ESL Milestone Certificate: Pathway to Diagnostic Medical Sonography, Health Information Technology, and Radiological Technology** is designed to prepare English language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their pathways to Diagnostic Medical Sonography (DMS), Health Information Technology (HI), and Radiological Technology (RADT) degrees, certificates, or transfer. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required ESL courses are listed in suggested sequence (15 units):		
ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5

Complete one of the following courses (3 units):		3
HS 145 C	Survey of Medical Terminology	3
HS 147 C	Survey of Disease	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, and survey of medical terminology and disease, necessary for college coursework towards degree, certificate, or transfer in Diagnostic Medical Sonography, Health Information Technology, and Radiological Technology.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1644

ESL Milestone Certificate: Pathway to Kinesiology and Public Health

Division: Language Arts

PROGRAM CODE: 1C37708NA

Financial Aid Eligible

The **ESL Milestone Certificate: Pathway to Kinesiology and Public Health** is designed to prepare English Language Learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their pathways to Kinesiology degrees, certificates, or transfer. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
For the AA-T in Kinesiology or AA Degree in Kinesiology Pathway, complete one of the following courses (3 units)		
ESL 107 C	High-Intermediate Academic Reading and Writing (formerly ESL 183 C)	5
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Select One Pathway (3 units):		3
For the Fitness Specialist Certificate, Aquatics Specialist Certificate, or Athletic Coach Certificate Pathway, complete the following course (3 units)		
KIN 230 C	Introduction to Kinesiology (formerly PE 252 C)	3
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3

OR

For the AS-T in Public Health Pathway or Community Health Worker Certificate, complete one of the following courses (3 units):

KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3

OR**For the AS-T in Public Health Pathway or Community Health Worker Certificate, complete one of the following courses (3 units):**

PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3

OR**For the Recreation Assistant Certificate Pathway, complete one of the following courses (3 units).**

KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
REC 100 C	Foundations of Recreation and Leisure Services	3
REC 102 C	Recreation - Sport Leadership and Diverse Groups	3

Total Units **18**

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, an overview of the kinesiology, recreation, first aid, CPR, emergencies, public and personal health, necessary for college coursework towards degree, certificate, or transfer in Kinesiology and Public Health.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1774

ESL Milestone Certificate: Pathway to Science, Engineering, and Mathematics

Division: Language Arts

PROGRAM CODE: 1C37720

Financial Aid Eligible

The **ESL Milestone Certificate: Pathway to Science, Engineering, and Mathematics** is designed to prepare English language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their Science, Engineering, and Mathematics (SEM) pathways to degrees, certificates, or transfer. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all coursework

must be completed at Cypress College. This certificate requires a total of 18-19 units.

Code	Title	Units
Required ESL Courses are listed in suggested sequence (10 units):		
ESL 108 C	Exploring Culture through Academic Discourse I	5
ESL 109 C	Exploring Culture through Academic Discourse II	5
Required Math Course (4 units):		
MATH 141 C	College Algebra	4
Complete one of the following courses (4-5 units):		4-5
CHEM 107 C	Preparation for General Chemistry	5
CHEM 111AC	General Chemistry I	5
PHYS 130 C	Elementary Physics	4
Total Units		18-19

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, and an overview of chemistry and physics, necessary for college coursework towards degree, certificate, or transfer in Science, Engineering, and Mathematics.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1646

Ethnic Studies

Division: Social Sciences

Division Dean

Dr. Jamie Thomas

Faculty

Steven Estrada
Giovanni Hortua
Daniel Lind

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Ethnic Studies Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should

consult the catalog of the individual school and a counselor for lower division major requirements.

- African-American Studies Associate in Arts Degree
- Chicana/o/x Studies Associate in Arts Degree
- Ethnic Studies Associate in Arts Degree
- Social Justice Studies: African-American Studies Associate in Arts Degree for Transfer (AA-T)
- Social Justice Studies: Asian-American Studies Associate in Arts Degree for Transfer (AA-T)
- Social Justice Studies: Chicana/o Studies Associate in Arts Degree for Transfer (AA-T)
- Social Justice Studies: Native American Studies Associate in Arts Degree for Transfer (AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

African-American Studies Associate in Arts Degree

Division: Social Sciences

PROGRAM CODE: 1A19682
Financial Aid Eligible

The **African-American Studies Associate in Arts Degree** is designed to provide students with a multi-disciplinary and interdisciplinary examination of the experiences of persons of African descent in the United States. Students will analyze issues pertaining to the African-American community in particular while holistically developing a critical understanding of race, ethnicity, class, gender, sexuality, and power in American society. Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your

counselor, or visit the Transfer Center. This degree requires a total of 18 units in addition to other graduation requirements.

Code	Title	Units
Required Courses (12 units):		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 129 C	Introduction to African-American Studies	3
ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
LIST A: Select one of the following elective courses related to the African-American experience (3 units):		3
ENGL 255 C	African-American Literature I	3
ENGL 256 C	African-American Literature II	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3
ETHS 235 C	American Racial Liberation Movements	3
HIST 135 C	History of Africa	3
MUS 113 C	Jazz History	3
MUS 114 C	History of Hip Hop - Rap	3
POSC 209 C	Urban Politics	3
LIST B: Select one of the following Ethnic Studies or related elective courses or one course not already taken from List A (3 units):		3
ETHS 150 C	Introduction to Chicana-o-x Studies	3
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues	3
ETHS 159 C	Introduction to Native American Studies	3
ETHS 160 C	Native American History I	3
ETHS 161 C	Native American History II	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
ETHS 171 C	Asian Pacific American History	3
SOC 290 C	Sociology of Contemporary Race and Ethnic Relations	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Summarize the key terminology, theoretical orientations, principles and methods used in the field of African-American Studies.

OUTCOME 2: Identify and explain historical trends and common themes in African-American history from the era of the trans-Atlantic slave trade to the present

OUTCOME 3: Identify the social, cultural, political, and economic concepts central to the experiences of African Americans.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1616

Chicana/o/x Studies Associate in Arts Degree

Division: Social Sciences

PROGRAM CODE: 1A19606

Financial Aid Eligible

The **Chicana/o/x Studies Associate in Arts Degree** is designed to provide students with a multi-disciplinary and interdisciplinary examination of the experiences of Chicanas/os/xs (Mexican Americans) and other Latina/o/x populations in the United States. Students will analyze issues pertaining to Chicana/o/x and Latina/o/x communities in particular while holistically developing a critical understanding of race, ethnicity, class, gender, sexuality, and power in American society. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 18 units in addition to other graduation requirements.

Code	Title	Units
Required courses (15 units):		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 150 C	Introduction to Chicana-o-x Studies	3
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues	3
Select one of the following elective courses (3 units):		
ANTH 225 C	Ancient Cultures of Mexico and Central America	3
ART 216 C	Latin American Art	3
ENGL 250 C	Latino-a-x Literature	3
ETHS 129 C	Introduction to African-American Studies	3
ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
ETHS 159 C	Introduction to Native American Studies	3
ETHS 160 C	Native American History I	3
ETHS 161 C	Native American History II	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
ETHS 171 C	Asian Pacific American History	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3
ETHS 235 C	American Racial Liberation Movements	3
HIST 142 C	History of Latin America I	3
HIST 143 C	History of Latin America II	3
HIST 163 C	History of Mexico	3

HIST 190 C	History of the Americas I (formerly HIST 162AC)	3
HIST 191 C	History of the Americas II (formerly HIST 162BC)	3
HIST 275 C	History of California	3
SOC 290 C	Sociology of Contemporary Race and Ethnic Relations	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Summarize the key terminology, theoretical orientations, principles and methods used in the field of Chicana/o/x Studies

OUTCOME 2: Identify and explain historical trends and common themes in Chicana/o/x history from the Mesoamerican era to the present.

OUTCOME 3: Identify the cultural, political, and socioeconomic heterogeneity that exists within and between Latina/o/x communities.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1617

Ethnic Studies Associate in Arts Degree

Division: Social Sciences

PROGRAM CODE: 1A03807

Financial Aid Eligible

The **Associate in Arts Degree in Ethnic Studies** is designed to provide students with a comparative, multi-disciplinary, and interdisciplinary understanding of the experiences of African Americans, Asian Pacific Americans, Chicanas-os/xs/Latinas-os/xs, and Native Americans. Students study the histories, cultures, literatures, and politics of communities of color in the United States so that they can critically analyze issues pertaining to race, ethnicity, class, gender, sexuality, and power while developing an appreciation for the cultural diversity of American society. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 18 units in addition to other graduation requirements.

Code	Title	Units
Required Courses (9 units):		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 202 C	Race, Ethnicity, and Popular Culture	3
ETHS 235 C	American Racial Liberation Movements	3

LIST A: Select two courses from the following Ethnic Studies sub-fields (6 units):

ETHS 129 C	Introduction to African-American Studies	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3
ETHS 159 C	Introduction to Native American Studies	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3

LIST B: Select one of the following Ethnic Studies or related elective courses or one course not already taken from LIST A (3 units):

ANTH 121 C	Native North America	3
ENGL 208 C	Asian American Literature	3
ENGL 250 C	Latino-a-x Literature	3
ENGL 255 C	African-American Literature I	3
ENGL 256 C	African-American Literature II	3
ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues	3
ETHS 160 C	Native American History I	3
ETHS 161 C	Native American History II	3
ETHS 171 C	Asian Pacific American History	3
MUS 114 C	History of Hip Hop - Rap	3
SOC 290 C	Sociology of Contemporary Race and Ethnic Relations	3

Total Units	18

Program Student Learning Outcomes

OUTCOME 1: Summarize the key terminology, theoretical orientations, principles and methods used in the field of Ethnic Studies.

OUTCOME 2: Employ a comparative approach to analyzing the histories of African Americans, Asian Pacific Americans, Chicanas-os-xs/Latinas-os-xs, and Native Americans.

OUTCOME 3: Identify the social, cultural, political, and economic concepts central to the experiences of historically racialized populations in the United States.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1618

Social Justice Studies: African-American Studies Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A37580

Financial Aid Eligible

The **Social Justice Studies: African-American Studies Associate in Arts Degree for Transfer** curriculum is designed to provide an opportunity for the

6 African-American Studies major to achieve an Associate in Arts in Social Justice Studies: African-American Studies for Transfer (AA-T in Social Justice Studies: African-American Studies) which completes the first-and-second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in African-American Studies or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students successfully completing the AA-T in Social Justice Studies: African-American Studies will acquire a multidisciplinary and interdisciplinary knowledge base of the African-American experience in the United States. This degree will allow students to analyze historical themes and contemporary issues among African Americans while holistically developing a critical, intersectional understanding of race, ethnicity, class, gender, sexuality, and power in American society. The major prepares students for both transfer and graduate studies as well as careers that serve the African-American community in areas/fields such as public and business administration, human and health services, marketing and communications, research and education, politics and government, fine and performing arts and multicultural affairs. To earn an AA-T in Social Justice Studies: African-American Studies, students must complete: (1) a minimum of 18 semester units or 27 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires 18 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses (9 units):		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	

SOC 225 C	Sociology of Women	3
ETHS 129 C	Introduction to African-American Studies	3
List A: Select three courses from the following list (9 units):		9
ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
ETHS 235 C	American Racial Liberation Movements	3
or POSC 209 C	Urban Politics	
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: The Associate in Arts in Social Justice Studies: African-American Studies for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in African-American Studies or similar major. The program outcome goals for students completing the program are: Outcome 1: Summarize the key terminology, theoretical orientations, principles and methods used in the field of African-American Studies. Outcome 2: Identify and explain historical trends and common themes in African-American history from the era of the trans-Atlantic slave trade to the present. Outcome 3: Identify the social, cultural, political, and economic concepts central to the experiences of African Americans.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1454

Social Justice Studies: Asian-American Studies Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A39652

Financial Aid Eligible

The **Social Justice Studies: Asian-American Studies Associate in Arts Degree for Transfer (AA-T)** curriculum is designed to provide an opportunity for the Asian-American Studies major to achieve a Social Justice Studies: Asian-American Studies Associate in Arts for Transfer (AA-T in Social Justice Studies: Asian-American Studies) which completes the first-and-second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Asian-American Studies or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly

established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students successfully completing the AA-T in Social Justice Studies: Asian-American Studies will acquire a multidisciplinary and interdisciplinary knowledge base of the Asian-American experience in the United States. This degree will allow students to analyze historical themes and contemporary issues among Asian and Pacific Islander Americans while holistically developing a critical, intersectional understanding of race, ethnicity, class, gender, sexuality, and power in American society. The major prepares students for both transfer and graduate studies as well as careers that serve the Asian and Pacific Islander American community in areas/fields such as public and business administration, human and health services, marketing and communications, research and education, politics and government, fine and performing arts and multicultural affairs. To earn an AA-T in Social Justice Studies: Asian-American Studies students must complete the following requirements: (1) a minimum of 18 semester units or 27 quarter units in the Social Justice Studies: Asian-American Studies major course requirements with a grade of C or better; . AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires 18 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses (9 units)		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
SOC 225 C	Sociology of Women	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
List A. Select 3 courses from the following (9 units):		9
ETHS 171 C	Asian Pacific American History	3
ENGL 208 C	Asian American Literature	3
or HIST 160 C	Asian Civilizations I	
or HIST 161 C	Asian Civilizations II	
ETHS 235 C	American Racial Liberation Movements	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Summarize the key terminology, theoretical orientations, principles and methods used in the field of Asian Pacific American Studies.

OUTCOME 2: Identify and explain historical trends and common themes in Asian Pacific American history from the 19th Century to the present.

OUTCOME 3: Identify the social, cultural, political, and economic concepts central to the experiences of Asian Pacific Americans.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1455

Social Justice Studies: Chicana/o Studies Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A37630

Financial Aid Eligible

This **Social Justice Studies: Chicana/o Studies Associate in Arts Degree for Transfer (AA-T)** is designed to provide an opportunity for the Chicana/o/x Studies major to achieve an Associate in Arts in Social Justice Studies: Chicana/o Studies for Transfer (AA-T in Social Justice Studies: Chicana/o Studies) which completes the first-and second-year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Chicana/o/x Studies or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students successfully completing the AA-T in Social Justice Studies: Chicana/o Studies will acquire a multidisciplinary and interdisciplinary knowledge base of the histories, cultures, and experiences of Chicanas/os/xs (Mexican Americans) and other Latina/o/x populations in the United States. This degree will allow students to analyze historical themes and contemporary issues among Chicanas/os/xs and Latinas/os/xs while holistically developing a critical, intersectional understanding of race, ethnicity, class, gender, sexuality, and power in American society. The major prepares students for both transfer and graduate studies as well as careers that serve Chicana/o/x and Latina/o/x populations in areas/

fields such as public and business administration, human and health services, marketing and communications, research and education, politics and government, fine and performing arts and multicultural affairs. To earn an AA-T in Social Justice Studies: Chicana/o Studies, students must complete: (1) a minimum of 18 semester units or 27 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, . AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires 18 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses (9 units):		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
SOC 225 C	Sociology of Women	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3
List A: Select three courses from the following list (9 units):		9
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues	3
or ETHS 235 C	American Racial Liberation Movements	
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Summarize the key terminology, theoretical orientations, principles and methods used in the field of Chicana/o/x Studies.

OUTCOME 2: Identify and explain historical trends and common themes in Chicana/o/x history from the Mesoamerican era to the present.

OUTCOME 3: Identify the cultural, political, and socioeconomic heterogeneity that exists within and between Latina/o/x communities.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1619

Social Justice Studies: Native American Studies Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A41264

Financial Aid Eligible

The **Social Justice Studies: Native American Studies Associate in Arts Degree for Transfer (AA-T)** is designed to provide an opportunity for the Native American Studies major to achieve a Social Justice Studies: Native American Studies Associate in Arts for Transfer (AA-T in Social Justice Studies: Native American Studies) which completes the first-and-second year requirements for transfer to a four-year public California institution.

While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Native American Studies or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students successfully completing the AA-T in Social Justice Studies: Native American Studies will acquire a multidisciplinary and interdisciplinary knowledge base of the Native American experience in the United States. This degree will allow students to analyze historical themes and contemporary issues among Native Americans and Indigenous peoples while holistically developing a critical, intersectional understanding of indigeneity, race, ethnicity, class, gender, sexuality, power, and sovereignty in American society. The major prepares students for both transfer and graduate studies as well as careers that serve the Native American community in areas/fields such as cultural resource management, human and health services, marketing and communications, research and education, politics and government, fine and performing arts and multicultural and/or Native American affairs. To earn an AA-T in Social Justice Studies: Native American Studies students must complete the following requirements: (1) a minimum of 18 semester units or 27 quarter units in the Social Justice Studies: Native American Studies major course requirements with a grade of C or better; . AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires a total of 18 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses (9 units):		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
SOC 225 C	Sociology of Women	3
ETHS 159 C	Introduction to Native American Studies	3
LIST A: Select three courses from the following (9 units):		9

ETHS 160 C	Native American History I	3
ETHS 161 C	Native American History II	3
ANTH 121 C	Native North America	3
or ETHS 235 C	American Racial Liberation Movements	

Total Units **18**

Program Student Learning Outcomes:

OUTCOME 1: Summarize the key terminology, theoretical orientations, principles and methods used in the field of Native American Studies.

OUTCOME 2: Identify and explain historical trends and common themes in Native American history from the pre-colonial era to the present.

OUTCOME 3: Identify the social, cultural, political, and economic concepts central to the experiences of Native Americans.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1456

Foreign Language

Division: Language Arts

For specific foreign language courses see Chinese, Japanese, French and Spanish.

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts.

Foreign Language Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Foreign Language for Professionals in Aviation and Travel Careers Certificate
- Foreign Language for Professionals in Culinary Arts and Hospitality Careers Certificate
- Foreign Language for Professionals in Health Science Careers Certificate
- Foreign Language: Elementary Level Certificate
- Foreign Language: Intermediate Level Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and

Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C3-Research, and D2-Global Citizenship.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Foreign Language: Elementary Level Certificate

Division: Language Arts

PROGRAM CODE: 1C41528

Financial Aid Eligible

The **Foreign Language: Elementary Level Certificate** is designed for students seeking to learn a foreign language and expand their communicative abilities. Learning a foreign language enables students to make connections between cultures and language, and thereby gain an understanding of the importance of nuance in all types of communication. Such knowledge is acquired by putting into practice the linguistic and sociocultural competence they would gain from our program's courses. Students completing our program are better equipped to navigate the challenges of our multilingual and multicultural society. Completion of this certificate additionally provides the academic basis for further study at the intermediate level and is an initial milestone along the student's pathway to certificates, degrees, or transfer. All courses in this program meet transfer and degree requirements for Cypress College, CSU, and UC. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Core: Courses to be taken as a discipline group in the suggested sequence listed (10 units).		10
CHIN 101 C & CHIN 102 C	Elementary Chinese-Mandarin I and Elementary Chinese-Mandarin II	10
OR		
FREN 101 C & FREN 102 C	Elementary French I and Elementary French II	10
OR		
JAPN 101 C & JAPN 102 C	Elementary Japanese I and Elementary Japanese II	10
OR		
SPAN 101 C & SPAN 102 C	Elementary Spanish I and Elementary Spanish II	10
Electives: Select 6 units from the following courses.		6
CHIN 100 C	Beginning Spoken Chinese	3
JAPN 100 C	Spoken Japanese for Beginners	3
ANTH 102 C	Cultural Anthropology	3
ANTH 105 C	Introduction to Linguistic Anthropology	3
ART 216 C	Latin American Art	3
COMM 120 C	Intercultural Communication	3

ENGL 223 C	World Literature to 1650	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
HIST 110 C	Western Civilizations I	3
HIST 112 C	World Civilizations I	3
HIST 142 C	History of Latin America I	3
HIST 160 C	Asian Civilizations I	3
MAD 110 C	Animation History Technology	3
LING 101 C	Introduction to Language	3
Total Units		16

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1404

Foreign Language: Intermediate Level Certificate

Division: Language Arts

PROGRAM CODE: 1C41545

Financial Aid Eligible

The **Foreign Language: Intermediate Level Certificate** is designed for students who wish to pursue advanced studies in their chosen foreign language. Students who complete this certificate will acquire intermediate to advanced reading, writing, listening, and speaking skills that enable them to communicate effectively in the target language in various academic and professional settings. They will have also successfully completed elementary and intermediate coursework in the target language, all of which fulfill the lower-division transfer and degree course requirements at CSU and UC. These two elements demonstrate an important milestone along the student's pathway to a foreign language degree, certificate or transfer. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. At least 50% of all coursework must be completed at Cypress College. This certificate requires a total of 18-20 units.

Code	Title	Units
Required Core: Courses to be taken as a discipline group in the suggested sequence listed (13-14 units).		13-14
CHIN 102 C & CHIN 203 C & CHIN 204 C	Elementary Chinese-Mandarin II and Intermediate Chinese-Mandarin III and Intermediate Chinese-Mandarin IV	14
OR		
FREN 102 C & FREN 203 C & FREN 204 C	Elementary French II and Intermediate French III and Intermediate French IV	13
OR		
JAPN 102 C & JAPN 203 C & JAPN 204 C	Elementary Japanese II and Intermediate Japanese III and Intermediate Japanese IV	13
OR		
SPAN 102 C & SPAN 203 C & SPAN 204 C	Elementary Spanish II and Intermediate Spanish III and Intermediate Spanish IV	13
Electives: Select 5-6 units from the following courses.		5-6
FREN 200 C	Conversational French	2

JAPN 200 C	Conversational Japanese	2
JAPN 201 C	Study of Kanji	3
SPAN 200 C	Conversational Spanish	2
ANTH 102 C	Cultural Anthropology	3
ANTH 105 C	Introduction to Linguistic Anthropology	3
ART 216 C	Latin American Art	3
COMM 120 C	Intercultural Communication	3
ENGL 208 C	Asian American Literature	3
ENGL 223 C	World Literature to 1650	3
ENGL 250 C	Latino-a-x Literature	3
ETHS 171 C	Asian Pacific American History	3
HIST 111 C	Western Civilizations II	3
HIST 143 C	History of Latin America II	3
HIST 113 C	World Civilizations II	3
HIST 161 C	Asian Civilizations II	3
HIST 163 C	History of Mexico	3
MAD 110 C	Animation History Technology	3
MAD 192 C	Great Directors of Cinema	3
LING 101 C	Introduction to Language	3
Total Units		18-20

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1405

Foreign Language for Professionals in Aviation and Travel Careers Certificate

Division: Language Arts

PROGRAM CODE: 1C44698

The **Foreign Language for Professionals in Aviation and Travel Careers Certificate** program is for experts aspiring to excel in the aviation and travel industries. This innovative course is characterized by its meticulous design, emphasizing language acquisition and cultural fluency. This program features a comprehensive curriculum integrating foreign language skills with industry-specific knowledge. Students aim to acquire the ability to use language practically and understand cultural nuances, enabling them to handle international communication. Upon completing this program, graduates are equipped with the language tools necessary to navigate the international environment of the aviation and travel industries, emerging as highly skilled professionals ready for the market. This opens up career opportunities in airlines, travel agencies, international tourism offices, and multicultural corporations. This program is ideal for students who are passionate about the aviation and travel industry and are seeking a rewarding and challenging career. This is not intended to meet the requirements as a professional interpreter or a translator. All courses in this program meet transfer and degree requirements for Cypress College, CSU, and UC. To earn a certificate, complete the required courses as listed with a minimum grade of C or better. At least 50% of all coursework must be completed at Cypress College. This certificate requires a total of 18-21 units.

Code	Title	Units
Required Core: Courses to be taken as a discipline group in the suggested sequence listed (12-15 units).		

ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing) (Select TWO (2) Courses in ONE (1) Foreign Language Pathway)	4-5
or ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	
or ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
or ESL 110 C	College Composition for Non-Native Speakers	
Select TWO (2) Courses in ONE (1) Foreign Language Pathway		8-10
CHIN 101 C	Elementary Chinese-Mandarin I	5
CHIN 102 C	Elementary Chinese-Mandarin II	5
<i>OR</i>		
FREN 101 C	Elementary French I	5
FREN 102 C	Elementary French II	5
<i>OR</i>		
JAPN 101 C	Elementary Japanese I	5
JAPN 102 C	Elementary Japanese II	5
<i>OR</i>		
SPAN 101 C	Elementary Spanish I	5
SPAN 102 C	Elementary Spanish II	5
<i>OR</i>		
CHIN 203 C	Intermediate Chinese-Mandarin III	5
CHIN 204 C	Intermediate Chinese-Mandarin IV	4
<i>OR</i>		
FREN 203 C	Intermediate French III	4
FREN 204 C	Intermediate French IV	4
<i>OR</i>		
JAPN 203 C	Intermediate Japanese III	4
JAPN 204 C	Intermediate Japanese IV	4
Select Aviation and Travel Careers Electives (6 units)		6
ATC 101 C	Introduction to Travel Careers	3
<i>AND</i>		
ATC 183 C	Customer Care: Airline/Travel	3
<i>OR</i>		
ATC 270 C	Airline Operations	3
<i>OR</i>		
ATC 112 C	Homeland Security	3
Total Units		18-21

Program Student Learning Outcomes:

OUTCOME 1: Communicate effectively in a foreign language in a variety of aviation and travel settings, including airports, airlines, and customer service with 70% accuracy.

OUTCOME 2: Provide language assistance to aviation and travel customers, including helping them check-in for flights, navigate airports, and find hotel accommodations with 70% accuracy.

OUTCOME 3: Demonstrate knowledge of aviation and travel terminology and cultural competency in the language they are studying with 70% accuracy.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1658

Foreign Language for Professionals in Culinary Arts and Hospitality Careers Certificate

Division: Language Arts

PROGRAM CODE: 1C44699

The **Foreign Language for Professionals in Culinary Arts and Hospitality Careers Certificate** program is a valuable new program that will meet the needs of students who are preparing for careers in the Culinary Arts and Hospitality industry. The program offers a unique and specialized educational experience for people aiming to excel in the global culinary and hospitality sectors. This program provides students with the language and cultural tools necessary for success in an increasingly interconnected world. Upon completion of the program, graduates will have language skills and the ability to adapt to cultural diversity. They will be prepared to tackle the challenges of a multicultural work environment and to communicate effectively with clients and colleagues. This program offers a competitive edge in an industry where cultural and linguistic fluency is increasingly in demand, making them more competitive in the global job market. They will have also successfully completed elementary coursework in the target language, all of which fulfill the lower-division transfer and degree course requirements at CSU and UC. These two elements demonstrate an important milestone along the student's pathway to a foreign language degree, certificate, or transfer. To earn a certificate, complete the required courses as listed with a minimum grade of "C" or better. At least 50% of all coursework must be completed at Cypress College. This certificate requires a total of 23-26 units.

Code	Title	Units
Required Core: Courses to be taken as a discipline group in the suggested sequence listed (12-15 units).		
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing) (Select TWO (2) Courses in ONE (1) Foreign Language Pathway)	4-5
or ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	
or ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
or ESL 110 C	College Composition for Non-Native Speakers	
Select TWO (2) Courses in ONE (1) Foreign Language Pathway		8-10
CHIN 101 C	Elementary Chinese-Mandarin I	5
CHIN 102 C	Elementary Chinese-Mandarin II	5
<i>OR</i>		
FREN 101 C	Elementary French I	5
FREN 102 C	Elementary French II	5
<i>OR</i>		
JAPN 101 C	Elementary Japanese I	5
JAPN 102 C	Elementary Japanese II	5
<i>OR</i>		
SPAN 101 C	Elementary Spanish I	5
SPAN 102 C	Elementary Spanish II	5

OR

CHIN 203 C	Intermediate Chinese-Mandarin III	5
CHIN 204 C	Intermediate Chinese-Mandarin IV	4

OR

FREN 203 C	Intermediate French III	4
FREN 204 C	Intermediate French IV	4

OR

JAPN 203 C	Intermediate Japanese III	4
JAPN 204 C	Intermediate Japanese IV	4

Select Culinary Arts and Hospitality Electives (11-12 units) 11-12

HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 160 C	Hotel and Lodging Operations	3
or HRC 230 C	Hospitality Leadership	

Total Units 23-27

Program Student Learning Outcomes:

OUTCOME 1: Communication Skills: Students will be able to effectively use basic foreign language skills in various professional scenarios, including culinary instruction, customer service, and cross-cultural interactions within the hospitality industry with 70% accuracy.

OUTCOME 2: Cultural Understanding: Students will deepen their understanding of the cultural norms, culinary traditions, and hospitality practices associated with the regions where the language they are studying is spoken with 70% accuracy.

OUTCOME 3: Cross-Cultural Competence: Students will demonstrate the ability to navigate intercultural situations, show respect for diversity, and adapt within the multicultural work environments of the culinary arts and hospitality industries with 70% accuracy.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1659

Foreign Language for Professionals in Health Science Careers Certificate

Division: Language Arts

PROGRAM CODE: 1C44702

The **Foreign Language for Professionals in Medical Careers Certificate** program is a valuable new program that will meet the needs of students who are preparing for careers in the health science industry. This program is designed for students who wish to pursue a rewarding and challenging career in the health science industry. It aims to equip healthcare professionals with the linguistic skills and cultural competence needed to thrive in today's diverse and globalized healthcare landscape. This program is ideally suited for nurses, doctors, medical technicians, therapists, and healthcare administrators seeking to advance their careers in the international healthcare arena. With its emphasis on practical language skills and cultural sensitivity, the program empowers healthcare professionals to make a meaningful impact on patients and communities around the globe. The program will provide students with the foreign language skills they need to provide excellent customer service to

international visitors, help them develop a deeper understanding of the cultures and customs of their target markets, and make them more competitive in the global job market. This is not intended to meet the requirements as a professional interpreter or a translator. They will have also successfully completed elementary coursework in the target language, all of which fulfill the lower-division transfer and degree course requirements at CSU and UC. These two elements demonstrate an important milestone along the student's pathway to a foreign language degree, certificate or transfer. To earn a certificate, complete the required courses as listed with a minimum grade of "C" or better. At least 50% of all coursework must be completed at Cypress College. This certificate requires a total of 16.5-21 units.

Code	Title	Units
Required Core: Courses to be taken as a discipline group in the suggested sequence listed (12-15 units).		
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing) (Select TWO (2) Courses in ONE (1) Foreign Language Pathway)	4-5
or ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	
or ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
or ESL 110 C	College Composition for Non-Native Speakers	
Select TWO (2) Courses in ONE (1) Foreign Language Pathway		8-10
CHIN 101 C	Elementary Chinese-Mandarin I	5
CHIN 102 C	Elementary Chinese-Mandarin II	5
<i>OR</i>		
FREN 101 C	Elementary French I	5
FREN 102 C	Elementary French II	5
<i>OR</i>		
JAPN 101 C	Elementary Japanese I	5
JAPN 102 C	Elementary Japanese II	5
<i>OR</i>		
SPAN 101 C	Elementary Spanish I	5
SPAN 102 C	Elementary Spanish II	5
<i>OR</i>		
CHIN 203 C	Intermediate Chinese-Mandarin III	5
CHIN 204 C	Intermediate Chinese-Mandarin IV	4
<i>OR</i>		
FREN 203 C	Intermediate French III	4
FREN 204 C	Intermediate French IV	4
<i>OR</i>		
JAPN 203 C	Intermediate Japanese III	4
JAPN 204 C	Intermediate Japanese IV	4
Select Health Science Electives (4.5-6 units)		4.5-6
HS 145 C	Survey of Medical Terminology	3
DMS 165 C	Ethical and Legal Issues	1.5-3
or HS 277 C	Cultural Awareness and the Health Care System	
Total Units		16.5-21

Program Student Learning Outcomes:

OUTCOME 1: Communicate effectively in a foreign language in a variety of medical settings, including hospitals, clinics, and doctor's offices with 70% accuracy.

OUTCOME 2: Provide language assistance to patients and their families, including explaining medical procedures and answering questions about medications with 70% accuracy.

OUTCOME 3: Demonstrate knowledge of medical terminology and cultural competency in the language they are studying with 70% accuracy.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1655

French

Division: Language Arts

Division Dean

Dr. Janet Vera Lopez

Faculty

Karen Le Cornet

Counselors

Mymy Lam

Dr. Therese Mosqueda-Ponce

Daniel Pelletier

French Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

The courses taught by this department contribute to the General Education and Basic Skills Program Learning Outcomes. Please refer to General Education and Basic Skills Program Learning Outcomes.

Geography

Division: Social Sciences

Division Dean

Dr. Randy Martinez

Faculty

Eric Bladh
Armando Mendoza

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Geography Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Geographic Information Systems Certificate
- Geography Associate in Arts Degree
- Geography Associate in Arts Degree for Transfer (AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

A student who completes the Geography program will be able to:

- Acquire knowledge, skills, and competencies necessary for employment.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Geography Associate in Arts Degree

Division: Social Sciences

PROGRAM CODE: 1A19681
Financial Aid Eligible

The **Associate in Arts Degree in Geography** is designed to provide students with a comprehensive introduction to the three distinct areas of geographic studies (Earth Science/Environmental Studies/ Physical; Earth Technologies; and Human Studies) in order to give them the background knowledge needed by undergraduate geography majors for university transfer and coursework, while emphasizing the practical applications of geographic skills and knowledge in a diversity of careers and the utility of geographic perspectives as a life-long learning tool for interpreting our world's complex systems and world events. To earn an Associate Degree students must complete: (1) all major course requirements with a minimum grade of "C"; (2) Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; (3) any elective courses to complete a minimum of 60 units; (4) complete all graduation requirements; and (5) have an overall GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Students pursuing more than one specified departmental major may double count a maximum of 7 units to fulfill major requirements. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Required courses (13 Units):		
GEOG 100 C or GEOG 100HC	World Geography Honors World Geography	3
GEOG 102 C	Physical Geography	3
GEOG 102LC	Physical Geography - Lab	1
GEOG 160 C	Cultural Geography	3
GEOG 130 C	California Geography	3
Electives (6 Units): GEOG 202 C is optional if offered:		
Select six units of the following: ²		6
GEOG 140 C	Weather and Climate	
GEOG 260 C	Economic Geography	
GEOG 202 C	Field Geography - Physical	1
ANTH 104 C	Comparative Cultures	3
POSC 230 C	International Relations	3
HIST 112 C	World Civilizations I	3
Total Units		19

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=300

Geographic Information Systems Certificate

Division: Social Sciences

PROGRAM CODE: 1C07825N

Financial Aid Eligible

Provide endorsed entry-level skills for the rapidly growing GIS field. Our certificate is the only general purpose GIS certificate approved by the California State Chancellor's office. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. Cypress College certificate is inclusive of tiers one through four in the U. S. Department of Labor's Geospatial Industry Competency Model of June 1, 2010. This certificate requires a total of 25-27 units.

Code	Title	Units
Required Geographic Information System courses (12 units):		
GEOG 230 C	Introduction to GIS	3
GEOG 231 C	GIS - Spatial Analysis	3
GEOG 232 C	GIS - Analysis and Modeling	3
GEOG 233 C	GIS - Advanced Internship	3
Spatial Courses (3 units):		3
<i>(Select ONE course from the following)</i>		
GEOG 100 C or GEOG 100HC Honors World Geography	World Geography	3
GEOG 160 C	Cultural Geography	3
Spatially Related Courses (3-5 units):		3-5
ANTH 102 C or ANTH 102HC Honors Cultural Anthropology	Cultural Anthropology	3
ANTH 103 C	Introduction to Archaeology	3
BIOL 103 C	Environmental Science	3
BIOL 122 C	Marine Biology	4
GEOG 100 C or GEOG 100HC Honors World Geography	World Geography	3
GEOG 102 C	Physical Geography	3
GEOG 130 C	California Geography	3
GEOG 140 C	Weather and Climate	3
GEOG 160 C	Cultural Geography	3
GEOG 202 C	Field Geography - Physical	1
GEOG 234 C	Current Topics in GIS	3
GEOG 260 C	Economic Geography	3
GEOL 100 C or GEOL 100HC Honors Physical Geology	Physical Geology	3
GEOL 120 C	Geology of California	3
GEOL 130 C	Introduction to Oceanography	3
GEOL 190 C	Environmental Geology	3
HS 147 C	Survey of Disease	3
ATC 174 C	Destinations- Americas and Europe	3
ATC 175 C	Destinations Africa and Pacific	3
BUS 222 C	Principles of Marketing	3
BUS 224 C	International Marketing	3
ASTR 116 C or ASTR 116HC Honors Introduction to Astronomy	Introduction to Astronomy	3
Spatial Courses with Lab (4 units):		4
<i>(Choose ONE option from the following)</i>		
OPTION 1:		
GEOG 102 C	Physical Geography	3
AND		

GEOG 102LC or GEOG 202 C	Physical Geography - Lab Field Geography - Physical	1
OPTION 2:		
GEOG 202 C	Field Geography - Physical	1
GEOL 100 C or GEOL 100HC Honors Physical Geology	Physical Geology	3
AND		
GEOL 101 C	Physical Geology Laboratory	1
Computer Programming Skills (3 units):		3
CIS 211 C	Introduction to Programming	3
CIS 236 C	Introduction to Oracle - SQL and PL and SQL	3
CIS 247 C	Python Programming	3
Total Units		25-27

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1427

Geography Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A32028

Financial Aid Eligible

The **Geography Associate in Arts Degree for Transfer** (AA-T in Geography) is designed to provide an opportunity for the Geography major to achieve an Associate in Arts Degree in Geography for Transfer (AA-T in Geography) which completes the first and second year requirements for transfer to a four-year public California institution. This program is designed to prepare the student with a fundamental understanding and acquisition of knowledge in the Geography discipline. The curriculum includes courses in Human Geography, Physical Geography/Earth Science, and Earth Technologies, such as Geographic Information Systems, and Global Positioning Systems. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Geography or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless

the major is 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. The completion of this curriculum will demonstrate commitment to the Geography field and provide comprehensive preparation for upper-division work. To earn an AA-T in Geography students must meet the following requirements: (1) a minimum of 19-20 semester units or 28.5-30 quarter units in the Geography major with a minimum grade of "C"; . A P(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California State University General Education Breadth requirements (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (CSU IGETC); (3) completion of 60 semester or 90 quarter units of CSU transferable coursework; and (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core Courses (7 units):		
GEOG 102 C	Physical Geography	3
GEOG 102LC	Physical Geography - Lab	1
GEOG 160 C	Cultural Geography	3
List A - Select 6-7 units from the following; GEOG 202 C is optional if offered):		6-7
GEOG 100 C	World Geography	
or GEOG 100HC	Honors World Geography	
GEOG 130 C	California Geography	
GEOG 230 C	Introduction to GIS	
GEOG 140 C	Weather and Climate	1
GEOG 202 C	Field Geography - Physical ¹	
List B - Select 6 units from the following of any courses not selected from List A):		6
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
POSC 230 C	International Relations	3
Total Units		19-20

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=591

Geology

Division: Science/Engineering/Mathematics

Division Dean

Patricia Menchaca

Faculty

Victoria Castle
Kirk Domke

Counselor

Ernesto Heredia

Geology Transfer Programs

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the

Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Environmental Science Associate in Science Degree for Transfer (AS-T)
- Geology Associate in Science Degree for Transfer (AS-T)

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1- Science, Technology, Engineering, and Mathematics.

Environmental Science Associate in Science Degree for Transfer (AS-T)

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S39887

Financial Aid Eligible

The **Environmental Science Associate in Science Degree for Transfer** is designed to provide an opportunity for the Environmental Science major to achieve an Associate in Science Degree in Environmental Science for Transfer (AS-T in Environmental Science) which completes the first and second year requirements for transfer to a four-year public California institution. Students with a degree in Environmental Science may pursue careers in education, consulting, research or work in fields such as environmental geology, environmental engineering, zoology, hydrology, conservation science, or environmental law. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Environmental Science or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AS-T in Environmental Science students must complete the following requirements: (1) a minimum of 41 semester units or 60 quarter units in the Environmental Science major with a grade of C or better; AP(Pass) grade

is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) the Intersegmental General Education Transfer Curriculum (CSU IGETC) for STEM; (3) any electives need to reach 60 semester or 90 quarter units of CSU transferable coursework; and (4) have an overall GPA of 2.0. This degree requires a total of 41 units.

Code	Title	Units
Required Core Courses (15 units):		
BIOL 135AC	Principles of Biology 1: Cell and Molecular Biology	5
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
LIST A (15 units):		15
GEOL 190 C or BIOL 103 C	Environmental Geology Environmental Science	3
GEOL 100 C & GEOL 101 C	Physical Geology and Physical Geology Laboratory	4
STAT C1000 or SOC 161 C or SOC 161HC or PSY 161 C or PSY 161HC	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics) Probability and Statistics-Social Sciences Honors Probability and Statistics-Social Sciences Probability and Statistics-Social Sciences Honors Prob Stats-Soc Sci	4
MATH 150AC or MATH 130 C	Calculus I Business Calculus	4
LIST B (11 units):		11
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
ECON 105 C or ECON 105HC	Principles of Economics-Micro Honors Princ of Econ - Micro	3
Total Units		41

Program Student Learning Outcomes:

OUTCOME 1: Understand current concepts in the environmental sciences at the level appropriate for transfer into upper division environmental science major programs at four-year universities.

OUTCOME 2: Demonstrate critical thinking skills as they relate to the environmental sciences as well as apply concepts from allied fields to the environmental sciences.

OUTCOME 3: Apply the scientific method to answer basic research questions and understand the role of environmental sciences in modern society.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1588

Geology Associate in Science Degree for Transfer (AS-T)

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S31935
Financial Aid Eligible

The **Geology Associate in Science Degree for Transfer** is designed to provide an opportunity for the Geology major to achieve an Associate in Science Degree in Geology for Transfer (AS-T in Geology) which completes the first and second year requirements for transfer to a four-year public California institution. Students with a degree in geology may pursue careers in education, consulting, research or work in industry as an entry geologist or geotechnician in fields such as engineering geology, environmental geology, petroleum and mining geology, hydrogeology, seismology, paleontology, geophysics, marine geology and volcanology. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Geology or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AS-T in Geology students must complete the following requirements: (1) a minimum of 26 semester units or 39 quarter units in the major or area of emphasis as determined by the community college district with a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Core Courses		
GEOL 100 C or GEOL 100HC	Physical Geology Honors Physical Geology	3
GEOL 101 C	Physical Geology Laboratory	1
GEOL 103 C	Historical Geology	4
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
Additional Recommended Course Work (not required)		
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4

BIOL 101 C	General Biology	4
or BIOL 101HC	Honors General Biology	
Total Units		26

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=920

Health Information Technology

Division: Health Science

Division Dean

Colin Preston

Faculty

Jennie Larez
Patti Spitler

Counselors

Kelly Carter
Marisa Lehmeier
Denise Vo

MINIMUM STANDARDS TO APPLY

1. Apply to Cypress College to obtain a Cypress College student ID#. The email address used on the Cypress College application will be used within your Health Science Application and for all email interactions between the college faculty and staff, clinical sites, and any other program related email interactions.
2. Graduation from high school or completion of the General Education Development (GED test with an average score of 450 on the five-test battery, or passing the high school proficiency examination. Possession of an associate degree or higher satisfies this requirement.
3. Minimum age of 17 years to apply. Must be 18 years old at the start of clinical training.
4. Completion of ENGL 100C or ENGL 101C or ESL 110C is highly recommended.
5. Completion of Biology 160C or Biology 210C or Biology 231C & 241C or a comparable course with a "C" or better; or provide transcript showing courses in progress.
6. Completion of Psychology 101C or a comparable course with a "C" or better or provide transcript showing course in progress.
7. Completion of Psychology

APPLICATION PROCEDURES

1. Before the application opens online, review and follow the instructions on the Checklist and Sample Application on the Health Information Technology home page.
2. Apply to Cypress College to obtain a Cypress College student ID#.
3. Once a Cypress College Student ID# has been received, submit required official transcripts to Cypress College Admissions and Records. Admission and Records will not accept transcripts opened prior to submission, PDF documents sent from a student, unofficial transcripts,

or a Cypress College transcript. • Digitally (directly from school to school) - send to incomingtranscripts@cypresscollege.edu. Attn: Transcripts
Choosing the option of Cypress College when ordering may also be an option. Through mail (unofficial if opened)

Cypress College
Admissions and Records - Transcripts
9200 Valley View St.
Cypress, CA 90630

4. Application must be completed online starting the month of February for Fall consideration and September for Spring consideration. Please see the Health Information Technology home page for more information and application deadlines. <https://careers.cypresscollege.edu/programs/health-information-technology/>

5. Log into the online Health Science Application using MyGateway credentials. Submit needed documents following the instructions within the online Health Science application.

6. Notification letters are sent out no later than May 1 for Fall consideration and December 1 for Spring consideration. Deadline to respond to the notification letter is typically 3-5 business days.

7. Determination of acceptance is based upon the selection criteria.

8. It is the responsibility of the applicant to thoroughly read all information provided within the handouts and the program's webpage to review for updates and changes that can occur at any time prior to or after the application period.

CANDIDATE SELECTION CRITERIA

1. Approximately twenty-four students (24) are selected for admission each Fall and Spring semester. The number of applicants usually exceeds available seats.
2. Selection is based on the submission date of application and all supporting documents. Priority will be given to the students who have completed the required pre-requisites at the time of application.
3. Selection criteria is subject to change. See a Health Science Counselor for current selection criteria.
4. Upon selection for the program but prior to the start of classes, the candidate will be required to obtain a physical examination that includes blood analysis and required immunizations.
5. Students selected for admission to the program must obtain an American Heart Association health care provider level C card that includes adult, child, infant CPR and Artificial External Defibrillator (AED) prior to attending clinical training and must maintain current certification throughout the program.
6. If you have been convicted of a criminal offense, your eligibility to enroll in the program may be affected. All students will be fingerprinted and cleared by the FBI and Department of Justice (DOJ) before enrolling in PT 110.
7. F-1 visa students will not be accepted for admission into any program when applications by qualified U.S. citizens exceed space available (AP 5012 1.4.).

- Health Information Technology Associate in Science Degree

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Health Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, and D1-Personal Responsibility.

A student who completes the Health Information Technology program will be able to:

- Gain the knowledge and skills needed to perform entry level functions in health information management technology.
- Attain the knowledge and skills needed to successfully pass entry level HIM certification examinations, especially the Registered Health Information Technician examination.
- Obtain HIM-related positions or be enrolled in an advanced degree program within 6 months of completion of the program.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Health Information Technology Associate in Science Degree

Division: Health Science

PROGRAM CODE: 1S03788

Financial Aid Eligible

The **Health Information Technology Associate in Science Degree**: Health information professionals care for patients by caring for their medical data. They ensure that all of a patient's health information is complete, accurate, and protected, yet readily available for healthcare providers when needed. Health information management professionals work in a variety of different settings and job titles. They often serve in bridge roles, connecting clinical, operational, and administrative functions. Having skilled HIM professionals on staff ensures an organization has the right information available when and where it is needed while maintaining the highest standards of data integrity, confidentiality, and security. If you see yourself in a career that offers diverse opportunities, would like to work in health care, but not directly with patients, have an aptitude for science, but also like management, law, and computers, enjoy working with professionals, then this profession is for you. HIM programs incorporate the disciplines of medicine, management, finance,

information technology, and law into one curriculum. The program is accredited by the Commission on Accreditation of Health Informatics and Information Management Education. Graduates of the Program are, therefore, eligible to take the national examination leading to certification as a Registered Health Information Technician (RHIT). MINIMUM STANDARDS FOR APPLICANTS: 1. Eligibility for admission to Cypress College. 2. High school diploma; OR General Education Development (GED) test with a minimum score of 450; OR high school proficiency examination. 3. ENGL C1000 (ENGL 100 C) or ENGL C1000H (ENGL 100HC) or ENGL C1000E (ENGL101C) with a grade of C or better. 4. CIS 111 C Computer Information Systems with a grade of C or better. 5. STAT C1000 (MATH 120 C) Introduction to Statistics with a grade of C or better. 6. HS 145 C Survey of Medical Terminology with a grade of C or better. 7. BIO 210C Anatomy and Physiology with a grade of C or better. 7.A minimum GPA of 2.0 in all college courses attempted. Applicants are responsible for submitting all documents (records, forms and transcripts) indicating minimum standards and prerequisites have been met to the Health Science Counseling Office. Clinical practice sites are located throughout Orange and Los Angeles counties. The student will need reliable personal transportation in order to travel to assigned agencies at least one day a week in each directed practice course. All enrolled students must meet the same health and safety standards required of agency employees in the contracted clinical facilities. For this reason, each student enrolled in the HIT program must complete specific requirements at his/her own expense prior to agency assignment. Information regarding the specific requirements in place at the time of initial enrollment into HIT Program is provided at a mandatory orientation scheduled for applicants selected each semester. Clean background checks are a must. To earn an Associate Degree, students must complete: 1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 60 units in the major in addition to other graduation requirements.

Code	Title	Units
Prerequisites (19 units):		
CIS 111 C	Computer Information Systems	3
HS 145 C	Survey of Medical Terminology	3
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
BIOL 210 C	Anatomy and Physiology	5
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4
SEMESTER 1 (11 units):		
HI 101 C	Health Information Management	3
HI 116 C	Health Information Technology Pharmacology	2
HS 147 C	Survey of Disease	3
HI 102 C	Legal Aspects of Health Care	3
SEMESTER 2 (10 units):		
HI 103 C	Healthcare Data Analysis	3
HI 114 C	Beginning ICD-10-CM and ICD-10-PCS Coding	3
HI 245 C	Coding Skills Lab	1-2
HI 230 C	Directed Practice I ¹	3
SEMESTER 3 (10 units):		

HI 214 C	CPT-Ambulatory Care Coding	3
HI 225 C	Information Technology	3
HI 245 C	Coding Skills Lab	1-2
CIS 236 C	Introduction to Oracle - SQL and PL and SQL	3

SEMESTER 4 (10 units):

HI 224 C	Advanced ICD-10-CM and ICD-10-PCS Coding	3
HI 226 C	Revenue Cycle Management	3
HI 240 C	Directed Practice II ²	4

Total Units **60-62**

¹ This course is a non-paid laboratory learning experience. Students are assigned to a healthcare related agency.

² This course is a non-paid laboratory learning experience. Students are assigned to a healthcare related agency.

Program Student Learning Outcomes:

OUTCOME 1: Provide training for entry-level positions in health information management, health information technology, and health informatics in health information/medical record departments, tumor/ cancer registries, and related areas throughout the health care delivery system.

OUTCOME 2: Prepare students at a level of expertise in health information management and technology that will permit graduates to successfully write their respective national qualifying examinations.

OUTCOME 3: Instill in students the importance of a professional attitude-toward work and encourage participation in local, state, and national professional organizations.

OUTCOME 4: Assist students in developing a sense of self-worth and pride through the acquisition of specific knowledge and skills required in the pursuit of data accuracy and confidentiality in maintaining health information systems

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1445

Health Science

Division: Health Science

Division Dean

Colin Preston

Counselors

Kelly Carter
Marisa Lehmeier
Denise Vo

- Health Sciences General Studies Associate in Arts Degree

Health Sciences General Studies Associate in Arts Degree

Division: Health Science

Program Code: 1A27154A

Financial Aid Eligible

The **Health Sciences General Studies Associate in Arts Degree** provides students with a scope of knowledge and broad overview for attaining the communication skills, practical knowledge, and training necessary for a variety of careers in the Health Science area. Students completing this degree will develop a basic understanding of the healing arts and healthcare professions and how they interrelate. The Health Sciences Associate in Arts Degree empowers the student to see Dental, Funeral Service, Health Information, Nursing, Psychiatric Technology, and Radiology Technology, through the prism of healthcare professions. Key concepts in general education are reinforced by their connection to the helping professions in healthcare. Bridging the wisdom of the ages with contemporary innovations, this program offers a well-rounded education with insight to opportunities in our modern world. Requirements for the General Studies Degree in Health Sciences are listed under the Health Science section of this catalog, and include: • Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; • Three (3) units of Social Justice, Equity, and Sustainability. These units must be chosen from the Social Justice, Equity, and Sustainability list; • Completion of Reading Proficiency requirement; • Completion of at least 18 units. (Note: Where appropriate, courses may also be counted for a GE area). At least 50% of all course work must be completed at Cypress College; • Completion of additional degree-applicable classes for a total of 60 units (see Non-Degree Credit Courses for description of classes that are non-degree applicable); • A 2.0 (C) overall GPA and a 2.0 (C) in all courses taken in the Area of Emphasis. NOTE: This degree is not intended for students pursuing other Health Science major degrees. This degree requires a total of 18 units in addition to other degree requirements.

Code	Title	Units
Select 9 Units From The Following (9 units):		9
CHEM 101 C	Chemistry for Health Science Majors I	4.5
BIOL 231 C	General Human Anatomy	4
BIOL 160 C	Fundamentals of Human Anatomy and Physiology	3
BIOL 210 C	Anatomy and Physiology	5
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
or SOC 101 C	Introduction to Sociology	
or SOC 101HC	Honors Introduction to Sociology	
HS 145 C	Survey of Medical Terminology	3
HS 147 C	Survey of Disease	3
HS 161 C	Dying and Death - Grief and Mourning (same as HSCE 161 C)	3
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	
or ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	

COMM 050 C	Effective Communication	3
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	
or COMM C1000	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
or COMM 110 C	Mediated Public Speaking	
Intermediate Algebra or any transfer level MATH.		

Electives (9 units): 9

To complete all course requirements, students must complete 9 additional units from one of the concentration areas below.

Health Science concentration:

HS 277 C	Cultural Awareness and the Health Care System	3
DMS 165 C	Ethical and Legal Issues	1.5
HS 161 C	Dying and Death - Grief and Mourning (same as HSCE 161 C)	3
HS 147 C	Survey of Disease	3
HS 099 C	Health Science Independent Study	0.5-2
HS 070 C	Health Care Communication	0.5-1
HS 076 C	CPR for Health Care Providers	1
HS 050 C	Preparation for Health Science	3
CIS 111 C	Computer Information Systems	3

Dental Concentration:

DA 016 C	Dental Materials	3
DA 061 C	Oral Anatomy/Dental Assisting	3
DA 062 C	Preventive Dental Health - Basics	3
DA 063 C	Chairside Assisting I	3
DA 065 C	Radiology and Dental Assisting	3
DA 066 C	Radiology II and Dental Assisting	1
DH 101 C	Dental Anatomy and Morphology	2
DH 104 C	Oral Health Assessment	3
DH 106 C	Radiology Technician - Hygienists	3
DH 109 C	Pre-Clinical Dental Hygiene	5
DH 105 C	Oral Embryology and Histology (formerly DH 205 C)	2

Health Records Concentration:

HI 101 C	Health Information Management	3
HI 102 C	Legal Aspects of Health Care	3
HI 103 C	Healthcare Data Analysis	3
HI 114 C	Beginning ICD-10-CM and ICD-10-PCS Coding	3

Funeral Service Concentration:

MORT 201 C	Funeral Directing	5
MORT 202 C	Funeral Service Administration I	4
MORT 203 C	Methods of Disposition	4

Imaging Concentration:

RADT 142 C	Radiologic Electronics	4
RADT 153 C	Radiography Patient Care	3
CIS 111 C	Computer Information Systems	3
DMS 160 C	Introduction to Sonography	2
DMS 170 C	Sonography Physics	3.5
DMS 175 C	Abdomen Sonography	4
RADT 146 C	Introduction to Radiography	4

RADT 148 C	Radiology Imaging Techniques (formerly Radiologic Technology)	4
RADT 150 C	Radiographic Positioning I (formerly Radiologic Positioning)	5

Nursing Patient Care Concentration:

NURS 191 C	Pharmacology in Nursing I	1
NURS 192 C	Fundamentals of Nursing	4.5
NURS 193 C	Introduction to Medical-Surgical/Gero Nursing	3.5
NURS 195 C	Pharmacology in Nursing II	1
NURS 196 C	Med-Surg Nursing I	5
NURS 197 C	Maternal and Newborn Nursing	3.5
NURS 090 C	Nursing Transitions	3.5
PT 110 C	Nursing Science I	7
PT 115 C	Nursing Science II	7

Total Units 18

Program Student Learning Outcomes:

OUTCOME 1: Possess a high quality education for transfer to four-year institutions, associate degrees, career technical education, and certificate coursework, as well as basic skills and opportunities for lifelong learning.

OUTCOME 2: Possess skills that enhance personal learning and success, embrace diversity, and contribute to both the economic and social development of the surrounding community.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1638

Health Science - Continuing Education

Division: Health Science

Division Dean

Colin Preston

Faculty

Rebecca Gomez

Jennie Larez

Counselors

Kelly Carter

Marisa Lehmeier

Denise Vo

Provider approved by the California Board of Registered Nursing – Provider Number 00110, for the number of contact hours the class meets. Request list of approved classes from the Health Science Division.

History

Division: Social Sciences

Division Dean

Dr. Jamie Thomas

Faculty

David Halahmy
Carol Elsensohn Lewis
Bryan Seiling

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

History Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

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- History Associate in Arts Degree for Transfer (AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, and C-Critical Thinking, Problem Solving, and Information Competency Skills; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences, B1-Reading, B2-Writing, C1-Analysis, and C3-Research.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

History Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A31266

Financial Aid Eligible

The **History Associate in Arts Degree for Transfer** (AA-T in History) is designed to provide an opportunity for the History major to achieve an Associate in Arts Degree in History for Transfer (AA-T in History) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in History or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. History is the study of change over time. Historians analyze cause and effect, construct narratives from primary sources, and try to explain the actions of people in the past. Students in history courses learn more than dates, names, and events. They also learn how to interpret, debate, and draw conclusions. History majors acquire a broad perspective on the human experience and appreciate how the past has shaped the present. While a baccalaureate degree is still recommended, completion of this degree is excellent general preparation for careers in education, law, historical research, historical preservation, government, journalism, media, and communication. To earn an AA-T in History students must complete the following requirements: (1) a minimum of 18 semester units or 27 quarter units in the History major with a grade of C or higher; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires a total of 18 units in the major, in addition to general graduation requirements.

Code	Title	Units
Required Core (6 units):		
HIST 170 C or HIST 170HC	History of the United States I Honors History of the United States I	3
HIST 171 C or HIST 171HC	History of the United States II Honors History of the United States II	3
List A: 6 units chosen. Students will need to take either History 110C/110HC or History 112C/112HC and History 111C/111HC or History 113C/113HC.		6
HIST 110 C or HIST 110HC or HIST 112 C or HIST 112HC	Western Civilizations I Honors Western Civilizations I World Civilizations I Honors World Civilizations I	3
HIST 111 C or HIST 111HC or HIST 113 C or HIST 113HC	Western Civilizations II Honors Western Civilizations II World Civilizations II Honors World Civilizations II	3
List B Group 1: Select 3 units from the following: Any History course not pertaining to the U.S. or Europe. (History 112 C/112H C and 113 C/113H C may be taken if not used in List A)		3
HIST 112 C or HIST 112HC	World Civilizations I Honors World Civilizations I	3
HIST 113 C or HIST 113HC	World Civilizations II Honors World Civilizations II	3
HIST 142 C	History of Latin America I	3
HIST 143 C	History of Latin America II	3
HIST 160 C	Asian Civilizations I	3
HIST 161 C	Asian Civilizations II	3
HIST 165 C	History of the Middle East	3
HIST 135 C	History of Africa	3
List B Group 2: 3 units: Any history course (may be taken if not used from List A or from List B Group 1)		3
HIST 110 C or HIST 110HC	Western Civilizations I Honors Western Civilizations I	3
HIST 111 C or HIST 111HC	Western Civilizations II Honors Western Civilizations II	3
HIST 112 C or HIST 112HC	World Civilizations I Honors World Civilizations I	3
HIST 113 C or HIST 113HC	World Civilizations II Honors World Civilizations II	3
HIST 135 C	History of Africa	3
HIST 142 C	History of Latin America I	3
HIST 143 C	History of Latin America II	3
HIST 151 C	Survey of British History I	3
HIST 152 C	Survey of British History II	3
HIST 160 C	Asian Civilizations I	3
HIST 161 C	Asian Civilizations II	3
HIST 163 C	History of Mexico	3
HIST 165 C	History of the Middle East	3
HIST 190 C	History of the Americas I (formerly HIST 162AC)	3
HIST 191 C	History of the Americas II (formerly HIST 162BC)	3

HIST 270 C	Women in United States History	3
HIST 275 C	History of California	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills necessary for transfer to a four-year institution, including the ability to analyze the impacts of people and events across various global civilizations.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1526

Hotel, Restaurant, Culinary Arts

Division: Career Technical Education

Career Technical Education

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Hospitality, Restaurant, Culinary Arts Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.)

Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Baking and Pastry Arts Associate in Science Degree
- Baking and Pastry Arts Certificate
- Baking Fundamentals Certificate
- Culinary Fundamentals Certificate
- Culinary Management Associate in Science Degree
- Culinary Management Certificate
- Event Management Certificate
- Food and Beverage Fundamentals Certificate
- Food and Beverage Management Associate in Science Degree
- Food and Beverage Management Certificate
- Food Science Fundamentals Certificate
- Hospitality Management Associate in Science Degree
- Hospitality Management Associate in Science Degree for Transfer (AS-T)
- Hospitality Management Certificate
- Hotel Fundamentals Certificate
- Nutrition and Dietetics Associate in Science Degree for Transfer (AS-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Career Technical Education, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, and D1-Personal Responsibility.

A Cypress College student who earns a Certificate from the Hotel, Restaurant, Culinary Arts program in Hotel Management, Foodservice Management or Culinary Arts will:

- Acquire the necessary skills for hospitality/culinary arts employment to include demonstrated ability in effective communications, customer service, teamwork, cost control, ethical considerations, critical thinking and leadership
- Demonstrate competencies required for hospitality/culinary employment to include sanitation and safety, nutrition, restaurant and hotel operations, and specialized culinary techniques
- Enhance his/her career and educational opportunities within the hospitality and culinary industry

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Baking and Pastry Arts Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S31170

Financial Aid Eligible

The **Baking and Pastry Arts Associate in Science Degree** provides students with a broad and thorough foundation in the art of pastry and baking, from bread to chocolate to ice cream, and everything in between. The program is designed to help students develop a working knowledge of what is required to be successful in the fast pace culinary industry. To earn an Associate Degree students must complete all graduation requirements to include: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 39.5 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses are listed in suggested sequence (39.5 units):		
HRC 100 C or HRC 100HC	Nutrition Honors Nutrition	3
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 145 C	The Art of Garde Manger	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 231 C	Cost Control in Hospitality	3
HRC 232 C	Event Management	3
HRC 236 C	Baking Fundamentals II	3
HRC 246 C	Pastry Arts	3
HRC 255 C or HRC 265 C	American Regional Cuisine World Cuisine	4.5
HRC 290 C	Hospitality Capstone	3
Total Units		39.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the culinary and baking industry workforce skills, including food safety, handling, preparation, kitchen management, exposure to various styles of pastries, and proper use of baking applications and equipment, necessary for employment in the industry.

Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for Baking and Pastry Arts to include sanitation and safety, equipment knowledge, baking ingredients, mixing method, dessert execution and presentation.

OUTCOME 3: Enhance student career and educational opportunities within the baking and pastry and culinary arts industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1503

Baking and Pastry Arts Certificate

Division: Career Technical Education

PROGRAM CODE: 1C31172

Financial Aid Eligible

The **Baking and Pastry Arts Certificate** provides students with a broad and thorough foundation in the art of pastry and baking, from bread to chocolate to ice cream, and everything in between. The program is designed to help students develop a working knowledge of what is required to be successful in the fast pace culinary industry. This certificate requires a total of 39.5 units.

Code	Title	Units
Required courses are listed in suggested sequence: (39.5 units)		
HRC 100 C	Nutrition	3
or HRC 100HC	Honors Nutrition	
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 145 C	The Art of Garde Manger	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 231 C	Cost Control in Hospitality	3
HRC 232 C	Event Management	3
HRC 236 C	Baking Fundamentals II	3
HRC 246 C	Pastry Arts	3
HRC 255 C	American Regional Cuisine	4.5
or HRC 265 C	World Cuisine	
HRC 290 C	Hospitality Capstone	3
Total Units		39.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the culinary and baking industry workforce skills, including food safety, handling, preparation, kitchen management, exposure to various styles of pastries, and proper use of baking applications and equipment, necessary for employment in the industry. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for Baking and Pastry Arts to include sanitation and safety, equipment

knowledge, baking ingredients, mixing method, dessert execution and presentation.

OUTCOME 3: Enhance student career and educational opportunities within the baking and pastry and culinary arts industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1502

Baking Fundamentals Certificate

Division: Career Technical Education

PROGRAM CODE: 1C12968

Financial Aid Eligible

This three semester **Baking Fundamentals Certificate** is designed to provide the student with fundamental knowledge and techniques of baking and pastry, food safety, an understanding of the complexity of kitchen operations and an appreciation of the hospitality industry. Graduates will gain the knowledge and applied skills required to enter the hospitality industry as a baker or pastry cook. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College. This certificate requires 17 units.

Code	Title	Units
Required Courses are listed in suggested sequence (17 units):		
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 236 C	Baking Fundamentals II	3
HRC 246 C	Pastry Arts	3
Total Units		17

Program Student Learning Outcomes

OUTCOME 1: Acquire the culinary and baking industry workforce skills, including food safety, handling, preparation, kitchen management, exposure to various styles of pastries, and proper use of baking applications and equipment, necessary for employment in the industry. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for Baking and Pastry Arts to include sanitation and safety, equipment knowledge, baking ingredients, mixing method, dessert execution and presentation.

OUTCOME 3: Enhance student career and educational opportunities within the baking and pastry and culinary arts industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1519

Culinary Fundamentals Certificate

Division: Career Technical Education

PROGRAM CODE: 1C12969

Financial Aid Eligible

The two-semester **Culinary Fundamentals Certificate** program is designed to provide the student with fundamental knowledge and techniques of food preparation, food safety, an understanding of the complexity of kitchen operations and an appreciation of the hospitality industry. Graduates will gain the knowledge and applied skills required to enter the hospitality industry as a cook. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 units.

Code	Title	Units
Required Courses are listed in suggested sequence (17 units):		
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 145 C	The Art of Garde Manger	3
HRC 235 C	Culinary Fundamentals II	3
Total Units		17

Program Student Learning Outcomes

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1506

Culinary Management Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S03813

Financial Aid Eligible

The **Culinary Management Associate in Science Degree** provides students with fundamentals in the methods of food safety, handling, preparation, and kitchen management. It includes exposure to various styles of cuisines, and proper use of culinary applications and equipment. The program is designed to help students develop a working knowledge of what is required to be successful in the fast pace culinary industry. To earn an Associate Degree students must complete all graduation requirements to include:

(1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 41 units in the major in addition to other graduation requirements.

Code	Title	Units
Required courses are listed in suggested sequence: (41 units)		
HRC 100 C or HRC 100HC	Nutrition Honors Nutrition	3
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 125 C	Restaurant Management	3
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 145 C	The Art of Garde Manger	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 231 C	Cost Control in Hospitality	3
HRC 235 C	Culinary Fundamentals II	3
HRC 255 C	American Regional Cuisine	4.5
HRC 265 C	World Cuisine	4.5
HRC 290 C	Hospitality Capstone	3
Total Units		41

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1510

Culinary Management Certificate

Division: Career Technical Education

PROGRAM CODE: 1C21119

Financial Aid Eligible

The **Culinary Management Certificate** provides students with basic competencies in the methods of food handling, cooking, and culinary management. It includes exposure to various styles, and proper use of culinary applications and equipment. The program is designed to help

students develop a working knowledge of what is required to be successful for fast track culinary management potential. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 41 units.

Code	Title	Units
Required courses are listed in suggested sequence: (41 units)		
HRC 100 C or HRC 100HC	Nutrition Honors Nutrition	3
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 125 C	Restaurant Management	3
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 145 C	The Art of Garde Manger	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 231 C	Cost Control in Hospitality	3
HRC 235 C	Culinary Fundamentals II	3
HRC 255 C	American Regional Cuisine	4.5
HRC 265 C	World Cuisine	4.5
HRC 290 C	Hospitality Capstone	3
Total Units		41

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1509

Food and Beverage Fundamentals Certificate

Division: Career Technical Education

PROGRAM CODE: 1C12979N

Financial Aid Eligible

The **Food and Beverage Fundamentals Certificate (formerly Food Service Fundamentals Certificate)** provides students with an opportunity to obtain the foundational skills and practical knowledge for pursuing an entry-level career in the diverse food and beverage industry. Students completing this certificate will develop an understanding of the role of sanitation and safety, culinary fundamentals, purchasing, beverage management and cost control in food service operations. To earn a certificate, complete the required courses as listed with a minimum grade

of C. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 units.

Code	Title	Units
Required Courses are listed in suggested sequence (17 units):		
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 170 C	Beverage Management	3
HRC 231 C	Cost Control in Hospitality	3
Total Units		17

Program Student Learning Outcomes

OUTCOME 1: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 2: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1517

Food and Beverage Management Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S07848A

Financial Aid Eligible

The **Associate of Science Degree in Food and Beverage Management** offers coursework in restaurant management, beverage operations, managed food services and event management. Coursework emphasizes the role of guest services, effective communication, leadership strategies, ethical decision-making, financial and performance analytics, best practices and emerging trends in a global and diverse market. Students will prepare for a career in the growing restaurant and food service industry. Students will prepare for a career in the growing restaurant and food service industry and/or to transfer to a four-year university. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 38 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses are listed in suggested sequence (38 units):		
HRC 100 C or HRC 100HC	Nutrition Honors Nutrition	3

HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 125 C	Restaurant Management	3
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 164 C	Hospitality Law	3
HRC 170 C	Beverage Management	3
HRC 230 C	Hospitality Leadership	3
HRC 231 C	Cost Control in Hospitality	3
HRC 232 C	Event Management	3
HRC 290 C	Hospitality Capstone	3
Total Units		38

Program Student Learning Outcomes

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1511

Food and Beverage Management Certificate

Division: Career Technical Education

PROGRAM CODE: 1C21120T

Financial Aid Eligible

The **Food and Beverage Management Certificate** offers coursework in restaurant management, beverage operations, managed food services and event management. Coursework emphasizes the role of guest services, effective communication, leadership strategies, ethical decision-making, financial and performance analytics, best practices and emerging trends in a global and diverse market. Students will prepare for a career in the growing restaurant and food service industry. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 38 units.

Code	Title	Units
Required Courses are listed in suggested sequence (38 units):		
HRC 100 C	Nutrition	3
or HRC 100HC	Honors Nutrition	
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2

HRC 125 C	Restaurant Management	3
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 164 C	Hospitality Law	3
HRC 170 C	Beverage Management	3
HRC 230 C	Hospitality Leadership	3
HRC 231 C	Cost Control in Hospitality	3
HRC 232 C	Event Management	3
HRC 290 C	Hospitality Capstone	3
Total Units		38

Program Student Learning Outcomes

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1505

Food Science Fundamentals Certificate

Division: Career Technical Education

PROGRAM CODE: 1C40986

Financial Aid Eligible

The **Food Science Fundamentals Certificate** is designed for students who are interested in working as an assistant in the following field: food research and development, food product development, recipe development, food quality assurance, sensory, or flavor chemistry. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 24 units.

Code	Title	Units
Required courses are listed in suggested sequence: (24 units)		
HRC 100 C	Nutrition	3
or HRC 100HC	Honors Nutrition	
HRC 105 C	Careers Dietetics and Food Science	2
HRC 120 C	Sanitation and Safety	2
HRC 135 C	Culinary Fundamentals I	3
HRC 136 C	Baking Fundamentals I	3
HRC 145 C	The Art of Garde Manger	3
HRC 155 C	Food Science	3

CHEM 107 C	Preparation for General Chemistry	5
Total Units		24

Program Student Learning Outcomes

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1508

Hospitality Management Associate in Science Degree

Division: Career Technical Education

PROGRAM CODE: 1S03763S

Financial Aid Eligible

The **Associate of Science Degree in Hospitality Management** offers comprehensive coursework in hotel and lodging operations, revenue management, food and beverage management, events management, purchasing, law, cost control, human resources, and sales and marketing. Coursework emphasizes the role of guest services, effective communication, leadership strategies, ethical decision-making, financial and performance analytics, best practices and emerging trends in a global and diverse market. Students will prepare for careers in the dynamic hospitality industry and/or transfer to a four year university. To earn an Associate Degree, students must complete all graduation requirements to include (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, visit www.assist.org or visit the Transfer Center. This degree requires a total of 35 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses are listed in suggested sequence (35 units):		
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 125 C	Restaurant Management	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 160 C	Hotel and Lodging Operations	3

HRC 164 C	Hospitality Law	3
HRC 170 C	Beverage Management	3
HRC 230 C	Hospitality Leadership	3
HRC 231 C	Cost Control in Hospitality	3
HRC 232 C	Event Management	3
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
HRC 290 C	Hospitality Capstone	3
Total Units		35

Program Student Learning Outcomes

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1514

Hospitality Management Associate in Science Degree for Transfer (AS-T)

Division: Career Technical Education

PROGRAM CODE: 1S37539

Financial Aid Eligible

The **Hospitality Management Associate in Science Degree for Transfer (AS-T)** is designed to provide an opportunity for the Hospitality major to achieve an Associate in Science Degree in Hospitality for Transfer (AS-T in Hospitality Management) while completing the first and second year requirements for transfer to a four-year institution. Students successfully completing this degree will acquire a fundamental knowledge base of the hospitality industry. This degree offers comprehensive coursework in hotel and lodging operations, revenue management, food and beverage management, events management, purchasing, law, cost control, human resources, and sales and marketing. Coursework emphasizes the role of guest services, effective communication, leadership strategies, ethical decision-making, financial and performance analytics, best practices and emerging trends in a global and diverse market. Students will prepare for careers in the dynamic hospitality industry and/or transfer to a four year university. The intent is to prepare students for further academic study in the field. It will also demonstrate commitment to the field and provide comprehensive preparation for upper division work at the university level. At the baccalaureate level students will continue an education in various areas of hospitality management. 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", a newly

established variation of the associate degrees traditionally offered at a California community college. 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an Associate in Arts degree for Transfer (AS-T) students must complete: (1) a minimum of 18-20 units of major course requirements with a minimum grade of C; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. Local graduation requirements are not applicable. This degree requires a total of 18-20 units in the major in addition to other graduation requirements.

Code	Title	Units
Required CORE Courses (3 units)		
HRC 101 C	Introduction to Hospitality Management	3
List A: Select 8-9 units or three courses from the following:		8-9
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
HRC 120 C	Sanitation and Safety	2
HRC 125 C	Restaurant Management	3
HRC 135 C	Culinary Fundamentals I	3
HRC 160 C	Hotel and Lodging Operations	3
HRC 164 C	Hospitality Law	3
HRC 231 C	Cost Control in Hospitality	3
List B: Select 7-8 units or two courses from the below or any courses from List A not already used.		7-8
HRC 100 C	Nutrition	3
or HRC 100HC	Honors Nutrition	
ACCT 101 C	Financial Accounting	5
HRC 152 C	Menu Planning and Purchasing	3
HRC 230 C	Hospitality Leadership	3
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
HRC 232 C	Event Management	3
HRC 235 C	Culinary Fundamentals II	3
Total Units		18-20

Program Student Learning Outcomes

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1518

Hospitality Management Certificate

Division: Career Technical Education

PROGRAM CODE: 1C21121T

Financial Aid Eligible

The **Hospitality Management Certificate** offers coursework in lodging operations, revenue management, food and beverage management, event management, purchasing, law, cost control, human resources, sales and marketing and brand management. Coursework emphasizes the role of guest services, effective oral and written communication skills, teamwork, management and leadership strategies, ethical decision-making, critical thinking, exploring industry trends and best practices. Students will prepare for careers in the dynamic hospitality industry. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 35 units.

Code	Title	Units
Required Courses are listed in suggested sequence (35 units):		
HRC 101 C	Introduction to Hospitality Management	3
HRC 120 C	Sanitation and Safety	2
HRC 125 C	Restaurant Management	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 160 C	Hotel and Lodging Operations	3
HRC 164 C	Hospitality Law	3
HRC 170 C	Beverage Management	3
HRC 230 C	Hospitality Leadership	3
HRC 231 C	Cost Control in Hospitality	3
HRC 232 C	Event Management	3
HRC 290 C	Hospitality Capstone	3
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
Total Units		35

Program Student Learning Outcomes

OUTCOME 1: Acquire the necessary skills for hospitality/culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1501

Hotel Fundamentals Certificate

Division: Career Technical Education

PROGRAM CODE: 1C12980M

The **Hotel Fundamentals Certificate** provides students with an opportunity to obtain the foundational skills and practical knowledge for pursuing an entry-level career in hotel operations. Students completing this certificate will develop an understanding of hotel front office operations, revenue management, housekeeping, engineering, food and beverage, loss prevention, guest relations, and sales and marketing. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 15 units.

Code	Title	Units
Required Courses are listed in suggested sequence (15 units):		
HRC 101 C	Introduction to Hospitality Management	3
HRC 160 C	Hotel and Lodging Operations	3
HRC 164 C	Hospitality Law	3
HRC 230 C	Hospitality Leadership	3
HRC 231 C	Cost Control in Hospitality	3
Total Units		15

Program Student Learning Outcomes

OUTCOME 1: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 2: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1515

Nutrition and Dietetics Associate in Science Degree for Transfer (AS-T)

Division: Kinesiology

PROGRAM CODE: 1S37540

Financial Aid Eligible

The **Nutrition and Dietetics Associate in Science Transfer for Degree (AS-T)** is designed to provide an opportunity for the Nutrition and Dietetics major to achieve an Associate in Science Degree in Nutrition and Dietetics for Transfer (AS-T in Nutrition and Dietetics) while completing the first and second year requirements for transfer to a four-year institution. Students successfully completing this degree will acquire a fundamental knowledge to integrate and apply the principles of the food and nutrition sciences, human behavior, and the biomedical sciences. Students will learn to design and manage effective nutrition programs, and utilize food for human growth in a variety of settings including health care organizations, food service operations, business and industry (product development, marketing, consulting), education and research,

health promotion, and private practice counseling. Careers include: Nutritionist, Nutrition Educator, Weight Loss Counselor, Diet Technician, Food Services Manager, Patient Services Manager, Dietitian, Pediatric Dietitian, Nutrition Researcher, Sports and Cardiac Rehabilitation Dietitian, Nutrition Consultant, Diabetes Educator, and many others. 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", a newly established variation of the associate degrees traditionally offered at a California community college. 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an Associate in Arts degree for Transfer (AS-T) students must complete: (1) a minimum of 30 units or 45 quarter units with a grade of C or better; . AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. Local graduation requirements are not applicable. This degree requires a total of 27 units in the major in addition to other graduation requirements.

Code	Title	Units
Required CORE Courses (20 units):		
HRC 100 C	Nutrition	3
or HRC 100HC	Honors Nutrition	
or PHS 107 C	Nutrition and World Food Issue	
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
CHEM 111AC & CHEM 111BC	General Chemistry I and General Chemistry II	10
BIOL 220 C	Medical Microbiology	4
LIST A: Select one course from the following (4 units):		4
BIOL 231 C	General Human Anatomy	4
BIOL 241 C	General Human Physiology	4
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
PSY 161 C	Probability and Statistics-Social Sciences	4
or PSY 161HC	Honors Prob Stats-Soc Sci	
SOC 161 C	Probability and Statistics-Social Sciences	4
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
List B - Select one of the following courses (3 units):		
HRC 135 C	Culinary Fundamentals I	3
or HRC 155 C	Food Science	
Total Units		27

Program Student Learning Outcomes

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1662

Event Management Certificate

Division: Career Technical Education

PROGRAM CODE: 1C17140

Financial Aid Eligible

The Special Event Management field is a large part of the local economy. Students will learn skills and knowledge necessary for success in the special event management field. This skill certificate provides students with entry-level skills and knowledge to transition into this rapidly growing field. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
HRC 101 C	Introduction to Hospitality Management	3
HRC 125 C	Restaurant Management	3
HRC 152 C	Menu Planning and Purchasing	3
HRC 170 C	Beverage Management	3
HRC 230 C	Hospitality Leadership	3
HRC 232 C	Event Management	3
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary skills for hospitality and culinary arts employment to include demonstrated ability in effective communications, key performance metrics, ethical and critical thinking, applied leadership and global perspectives. Emphasis will be placed on managing a diverse workforce and guest populations.

OUTCOME 2: Demonstrate competencies and techniques required for culinary and hospitality management to include sanitation and safety, nutrition, and food, beverage and lodging operations.

OUTCOME 3: Enhance student career and educational opportunities within the hospitality and culinary arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1516

Human Services

Division: Social Sciences

Division Dean

Dr. Jamie Thomas

Faculty

Virgil Adams, III
James Tapia
Gary Zager

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Human Services Certificate Programs

The Human Services Department includes certificate programs in Addiction Studies, Conflict Resolution, Criminal Justice, Family Studies, Gerontology, Human Services Generalist, and Victimology. Each specialization recommends a core of required courses including fieldwork experience, and 6 to 12 units of specialization courses. The curricula are designed so that students with interests in several areas can complete more than one certificate program in an effective and efficient manner. The California Association of Alcohol/Drug Educators approves the Addiction Studies Certificate program. The Conflict Resolution Certificate prepares students to assist in the resolution of conflict in various settings including home and work with an emphasis on human relations in business, management positions in treatment facilities, and issues in victimology and cross-cultural conflict. The Criminal Justice Certificate will prepare students to work with Human Services agencies that provide services to clients coming from the criminal justice system. The Family Studies Certificate offers the student the opportunity to examine today's changing family needs, values and patterns as well as to form the foundation for a career in family studies professions. The Gerontology Certificate explores appropriate human service agencies, intervention strategies, and the adaptive and maladaptive behaviors of the normal aging process for the individual and their family. The Victimology Certificate examines the network of agencies available for victims and perpetrators as well as the variety of methods for dealing with this issue. The Human Services Generalist Certificate has training applicable in all Human Services areas.

Off-Campus Programs

Cypress' Human Services Department provides flexible, off-campus courses and workshops to further meet the education and training needs of human services. Specially designed training is available to meet the needs of community leaders, professionals, paraprofessionals, volunteers, community groups and organizations. For further information, contact the Human Services Department.

Transfer Program – Human Services

The student in human services has the option of completing an Associate in Arts degree with a major in Human Services by completing the general education requirements in addition to the Certificate Program. The program is also designed for students who plan to continue with professional preparation at the university level in social work, human services, criminal justice, gerontology, counseling, and related social service fields.

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Addiction Studies Certificate
- Conflict Resolution Certificate
- Criminal Justice Certificate
- Family Studies Certificate
- Gerontology Certificate
- Human Services Associate in Arts Degree
- Human Services Generalist Certificate
- Victimology Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Addiction Studies Certificate

Division: Social Sciences

PROGRAM CODE: 1C07845A

Financial Aid Eligible

The **Addiction Studies Certificate** will prepare students to work with Human Services Agencies that provide services to clients in the area of substance abuse issues regarding issues from abuse to addiction. Students will examine the requirements, major tasks and responsibilities, including the role and function of halfway homes, substance abuse recovery centers and sober living sites in the State of California. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required core(27 units)courses are listed. It is recommended that all fieldwork courses (HUSR 210 or HUSR 211) be taken only after consultation with an Academic Counselor, Department Chair or the course Instructor.		
PSY 139 C	Developmental Psychology	3
HUSR 200 C	Introduction to Human Services	3
HUSR 210 C	Introductory Fieldwork	3
HUSR 211 C	Advanced Fieldwork	3
HUSR 225 C	Families and Substance Abuse	3
HUSR 240 C	Drugs and Alcohol in Our Society	3
HUSR 241 C	Intervention Strategies	3
HUSR 242 C	Drugs and Physiology	3
HUSR 275 C	Ethical Issues in Human Services	3
Select a minimum of(9)units from the elective courses listed below:		9
HUSR 221 C	Crisis Intervention and Referral	3
HUSR 222 C	Group Leadership-Group Process	3
HUSR 223 C	Helping Skills-Human Services	3
HUSR 224 C	Self-Esteem Strategies	3
HUSR 226 C	Behavior Modification	3
HUSR 243 C	Co-Occurring Disorders	3
HUSR 270 C	Introduction to Victimology	3
HUSR 281 C	Prevention Strategies	3
HUSR 290 C	Human Services in Criminal Justice	3
HUSR 291 C	Counseling in Criminal Justice	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC Honors American Ethnic Studies		
Total Units		36

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=690

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, knowledge, and competencies including theories of addiction, treatment modalities, ethics, case documentation and interviewing techniques necessary for entry-level employment and/or career advancement in the area of substance abuse. The Addiction Studies Certificate meets the requirements of the Human Services Department's accreditation body, CAADE (California Association of Alcohol & Drug Educators) allowing students to enter into the certification process with such body.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1719

Human Services Associate in Arts Degree

Division: Social Sciences

PROGRAM CODE: 1A03803

Financial Aid Eligible

The **Human Services Associate in Arts Degree** prepares students for a variety of careers in public and private social service agencies. Course work includes completion of 30 units plus 6 elective units in one or more specialty areas of Alcohol and Drug Studies, Conflict Resolution, Criminal Justice, Family Studies, Gerontology, Human Services Generalist, and Victimology. To earn an Associate Degree students must complete: (1) all major course requirements with a minimum grade of C; (2) Cypress College Local General Education requirements or California General Education Transfer Curriculum (Cal-GETC) requirements (3) any elective courses to complete a minimum of 60 units; and, (4) with an overall GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Required Core Courses (30 units):		
<i>(It is recommended that all fieldwork courses (HUSR 210 or HUSR 211) be taken only after consultation with an Academic Counselor, Department Chair or the course Instructor.)</i>		
HUSR 200 C	Introduction to Human Services	3
HUSR 210 C	Introductory Fieldwork ¹	3
HUSR 211 C	Advanced Fieldwork ¹	3
HUSR 222 C	Group Leadership-Group Process	3
HUSR 224 C	Self-Esteem Strategies	3
HUSR 240 C	Drugs and Alcohol in Our Society	3
HUSR 241 C	Intervention Strategies	3
HUSR 275 C	Ethical Issues in Human Services	3
PSY 139 C	Developmental Psychology	3
COMM 120 C	Intercultural Communication	3
Restricted Electives (6 units):		6
HUSR 215 C	Introduction to Family Studies	3
HUSR 221 C	Crisis Intervention and Referral	3
HUSR 223 C	Helping Skills-Human Services	3
HUSR 225 C	Families and Substance Abuse	3
HUSR 226 C	Behavior Modification	3
HUSR 242 C	Drugs and Physiology	3
HUSR 243 C	Co-Occurring Disorders	3
SOC 250 C	Sociology of Aging	3
PSY 255 C	Psychology of Aging	3
HUSR 270 C	Introduction to Victimology	3
HUSR 271 C	Society and Victimization	3
HUSR 281 C	Prevention Strategies	3
HUSR 291 C	Counseling in Criminal Justice	3

SOC 292 C	Introduction to Criminology	3
HUSR 293 C	Conflict Resolution-Mediation	3
HUSR 294 C	Careers in Criminal Justice	3
HUSR 295 C	Cross-Cultural Criminology	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C) or ETHS 101HC Honors American Ethnic Studies	3
Total Units		36

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=989

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, knowledge, and competencies including theories of treatment, personality, development, addiction, ethics, case documentation and victimology necessary for entry-level employment, career advancement and/or transfer to the university level to continue study in social work, human services, criminal justice, gerontology, counseling, and related social service fields.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1653

Conflict Resolution Certificate

Division: Social Sciences

PROGRAM CODE: 1C17141

The **Conflict Resolution Certificate** offers those entering or working in human services the opportunity to examine and practice a variety of communication skills useful in the resolution of conflict. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 15 units.

Code	Title	Units
Required core courses are listed in suggested sequence: (12 Units)		
HUSR 293 C	Conflict Resolution-Mediation	3
HUSR 275 C	Ethical Issues in Human Services	3
BUS 266 C	Human Relations in Business	3
HUSR 210 C	Introductory Fieldwork	3
Select one course from the elective courses listed below: (3 units)		3
COMM 105 C	Interpersonal Communication	3
HUSR 221 C	Crisis Intervention and Referral	3
HUSR 222 C	Group Leadership-Group Process	3
HUSR 224 C	Self-Esteem Strategies	3
HUSR 270 C	Introduction to Victimology	3
HUSR 295 C	Cross-Cultural Criminology	3

PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
Total Units		15

- http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1426

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, knowledge, and competencies including a variety of communication skills useful in the resolution of conflict within business, management, treatment facilities, client and personal interactions, victimology, and cross-cultural settings necessary for entry-level employment and/or career advancement in business, treatment facilities, social work, and mediation.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1652

Criminal Justice Certificate

Division: Social Sciences

PROGRAM CODE: 1C12113

Financial Aid Eligible

The **Criminal Justice Certificate** program will prepare students to work with Human Service agencies that provide services to clients coming from the criminal justice system. Students will examine the skill requirements, the major tasks and responsibilities, the role and function of the service provider in jails, penal institutions, police departments, juvenile justice agencies and the Department of Corrections. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required Courses are listed below (30 units):		
<i>(It is recommended that all fieldwork courses (HUSR 210 or HUSR 211) be taken only after consultation with an Academic Counselor, Department Chair or the course Instructor.)</i>		
HUSR 210 C	Introductory Fieldwork	3
HUSR 211 C	Advanced Fieldwork	3
HUSR 223 C	Helping Skills-Human Services	3
HUSR 224 C	Self-Esteem Strategies	3
HUSR 275 C	Ethical Issues in Human Services	3
HUSR 290 C	Human Services in Criminal Justice	3
HUSR 291 C	Counseling in Criminal Justice	3
SOC 292 C	Introduction to Criminology	3
HUSR 294 C	Careers in Criminal Justice	3
HUSR 295 C	Cross-Cultural Criminology	3
Elective Courses - Select 9 units from the courses listed below:		9
HUSR 221 C	Crisis Intervention and Referral	3
HUSR 225 C	Families and Substance Abuse	3
HUSR 240 C	Drugs and Alcohol in Our Society	3
HUSR 241 C	Intervention Strategies	3
HUSR 242 C	Drugs and Physiology	3
HUSR 243 C	Co-Occurring Disorders	3

HUSR 270 C	Introduction to Victimology	3
HUSR 271 C	Society and Victimization	3
HUSR 293 C	Conflict Resolution-Mediation	3
Total Units		39

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, knowledge, and competencies including skill requirements, the responsibilities, and functions of the service providers in jails, penal institutions, police departments, juvenile justice agencies and the Department of Corrections necessary for entry-level employment and/or career advancement within jails, penal institutions, police departments, juvenile justice agencies and the Department of Corrections.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1718

Family Studies Certificate

Division: Social Sciences

PROGRAM CODE: 1C10452

Financial Aid Eligible

The **Family Studies Certificate** is designed as a more complete examination of the many individual and family needs resulting from changing family patterns. Needed skills include parenting in a variety of family situations, communicating in healthy relationships, caregiving in intergenerational families and coping with stress. This program prepares the student in three ways: (1) Providing courses as personal enrichment for the families and individuals in the community (2) Training Human Service workers for employment in schools, health and mental health agencies, rehabilitation centers, halfway houses, senior centers and as support persons to law enforcement and other community agencies (3) Providing the first two years of courses for Family Studies professions such as therapist and administrator which require further college education. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College

Code	Title	Units
Required Courses (24 units):		
(It is recommended that all fieldwork courses (HUSR 201 C or HUSR 211 C) be taken only after consultation with an Academic Counselor, Department Chair or the course instructor.)		
HUSR 200 C	Introduction to Human Services	3
HUSR 210 C	Introductory Fieldwork	3
HUSR 215 C	Introduction to Family Studies	3
HUSR 224 C	Self-Esteem Strategies	3
PSY 139 C	Developmental Psychology	3
HUSR 270 C	Introduction to Victimology	3
HUSR 275 C	Ethical Issues in Human Services	3
SOC 275 C	Marriage and Family	3
Electives - Select 6 units from the courses listed below:		6
PSY 120 C	Human Sexuality	3
HUSR 221 C	Crisis Intervention and Referral	3
HUSR 222 C	Group Leadership-Group Process	3

HUSR 223 C	Helping Skills-Human Services	3
HUSR 225 C	Families and Substance Abuse	3
HUSR 226 C	Behavior Modification	3
HUSR 240 C	Drugs and Alcohol in Our Society	3
SOC 250 C	Sociology of Aging	3
PSY 255 C	Psychology of Aging	3
HUSR 295 C	Cross-Cultural Criminology	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC Honors American Ethnic Studies		
Total Units		30

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, knowledge, and competencies including parenting in a variety of family situations, communicating in healthy relationships, caregiving in intergenerational families and coping with stress necessary for entry-level employment and/or career advancement in schools, health and mental health agencies, rehabilitation centers, halfway houses, senior centers and as support persons to law enforcement and other community agencies.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1715

Gerontology Certificate

Division: Social Sciences

PROGRAM CODE: 1C07842

The **Gerontology Certificate** is a collection of interdisciplinary courses that prepare students to bring expertise, intervention skills and understanding about the aging adult to work and to family settings. Older adult development, and adaptive and maladaptive behaviors of the normal aging process are explored. Emphasis will be placed on critical life issues such as health, mental health, care giving, social support, living arrangements, work and retirement, and human service resources. Death and dying, and the ethical issues that often occur during the last years of life will be examined. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required Core Courses are listed in suggested sequence (12 units):		
HUSR 200 C	Introduction to Human Services	3
HUSR 275 C	Ethical Issues in Human Services	3
HUSR 210 C	Introductory Fieldwork	3
SOC 250 C	Sociology of Aging	3
Elective Courses - Select three units from the courses listed below (3 units):		
HUSR 215 C	Introduction to Family Studies	3
HUSR 221 C	Crisis Intervention and Referral	3

KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
PSY 120 C	Human Sexuality	3
PSY 255 C	Psychology of Aging	3
Total Units		15

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, knowledge, and competencies including intervention strategies, the adaptive and maladaptive behaviors of the normal aging process, older adult development, health, mental health, care giving, social support, living arrangements, work and retirement, death, and dying necessary for entry-level employment and/or career advancement within mental health agencies, senior centers, and social services agencies.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1714

Human Services Generalist Certificate

Division: Social Sciences

PROGRAM CODE: 1C21122

Financial Aid Eligible

The **Human Services Generalist Certificate:** To earn a certificate, students must complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required Core Courses are listed in suggested sequence (27 units):		
HUSR 200 C	Introduction to Human Services	3
HUSR 275 C	Ethical Issues in Human Services	3
HUSR 222 C	Group Leadership-Group Process	3
PSY 139 C	Developmental Psychology	3
HUSR 224 C	Self-Esteem Strategies	3
HUSR 210 C	Introductory Fieldwork	3
HUSR 225 C	Families and Substance Abuse	3
HUSR 241 C	Intervention Strategies	3
HUSR 211 C	Advanced Fieldwork	3
Required Electives - Select from the following list (9 units):		
PSY 120 C	Human Sexuality	3
HUSR 215 C	Introduction to Family Studies	3
HUSR 221 C	Crisis Intervention and Referral	3
HUSR 223 C	Helping Skills-Human Services	3
HUSR 226 C	Behavior Modification	3
HUSR 240 C	Drugs and Alcohol in Our Society	3
HUSR 242 C	Drugs and Physiology	3
HUSR 243 C	Co-Occurring Disorders	3
SOC 250 C	Sociology of Aging	3
PSY 255 C	Psychology of Aging	3
HUSR 270 C	Introduction to Victimology	3

HUSR 271 C	Society and Victimization	3
HUSR 281 C	Prevention Strategies	3
HUSR 291 C	Counseling in Criminal Justice	3
SOC 292 C	Introduction to Criminology	3
HUSR 294 C	Careers in Criminal Justice	3
HUSR 295 C	Cross-Cultural Criminology	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
Total Units		36

Program Student Learning Outcomes:

Outcome 1: Acquire the workforce preparation skills, knowledge, and competencies including theories of addiction, mental health, treatment modalities, ethics, case documentation, interviewing techniques, victimology, critical thinking, and problem solving necessary for entry-level employment and/or career advancement within advancement within social service agencies, mental health agencies, senior centers, juvenile justice agencies and community agencies.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1720

Victimology Certificate

PROGRAM CODE: 1C07847

Financial Aid Eligible

The **Victimology Certificate** explores the costs of victimization in our society today and the variety of methods, current and proposed, for dealing with the issues. Courses provide an in-depth examination of both the victim and the perpetrator. Resources for victims of violent and non-violent crimes are discussed, and professionals present various points of view. To earn a certificate, complete the required courses as listed with a minimum grade of C. At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required Courses are listed in suggested sequence (24 units):		
HUSR 200 C	Introduction to Human Services	3
HUSR 275 C	Ethical Issues in Human Services	3
HUSR 223 C	Helping Skills-Human Services	3
HUSR 270 C	Introduction to Victimology	3
HUSR 271 C	Society and Victimization	3
HUSR 290 C	Human Services in Criminal Justice	3
HUSR 210 C	Introductory Fieldwork	3
HUSR 211 C	Advanced Fieldwork	3
Electives - Select 6 units from the following (6 units):		6
PSY 139 C	Developmental Psychology	3
HUSR 221 C	Crisis Intervention and Referral	3
HUSR 222 C	Group Leadership-Group Process	3
HUSR 224 C	Self-Esteem Strategies	3
HUSR 225 C	Families and Substance Abuse	3
HUSR 226 C	Behavior Modification	3

HUSR 240 C	Drugs and Alcohol in Our Society	3
HUSR 295 C	Cross-Cultural Criminology	3
Total Units		30

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, knowledge, and competencies including the network of agencies available for victims and perpetrators, resources for victims of violent and non-violent crimes, and the costs of victimization in our society necessary for entry-level employment and/or career advancement within advancement within mental health agencies, senior centers, and social services agencies, schools, juvenile justice agencies and community agencies.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1713

Global Studies

Division Dean

All Division Deans

Faculty

Jane Jepson

Counselors

Jane Jepson

- Global Studies Associate in Arts Degree for Transfer
- Global Citizenship Studies Certificate

The courses taught by this department contribute to the General Education and Basic Skills Program Learning Outcomes. Please refer to General Education and Basic Skills Program Learning Outcomes.

Global Studies Associate in Arts Degree

Division: Social Sciences

PROGRAM CODE: 1A39449A

Financial Aid Eligible

The **Global Studies Associate in Arts Degree:** As a result of completing this program, students will be able to: 1. Describe key developments in the ongoing processes of globalization, climate change, mono-culturalization, decreasing biodiversity and ongoing social injustices and inequities 2. Analyze the concepts of global and local interdependence with reference to United Nations policies and documents 3. Critically consider and connect political, economic, cultural and ecological challenges as discussed in contemporary news and social media venues 4. Examine and practice strategies for resolution. This degree requires a total of 21 units in addition to other graduation requirements. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be

completed at Cypress College. This degree requires 21-22.5 units in the major, in addition to other graduation requirements.

Code	Title	Units
Required Courses: (6 Units)		
INDS 200 C	Introduction to Global Citizenship Studies	3
INDS 201 C	Global Citizenship Issues	3
List A: Select 1 course from each of the 4 areas below: (12 units)		12
<i>Culture and Society Area</i>		
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
COMM 120 C	Intercultural Communication	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 160 C	Native American History I	3
ETHS 161 C	Native American History II	3
ETHS 171 C	Asian Pacific American History	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
<i>Biology and Geography Area</i>		
BIOL 103 C	Environmental Science	3
PHS 107 C	Nutrition and World Food Issue	3
GEOG 100 C	World Geography	3
or GEOG 100HC	Honors World Geography	
GEOG 102 C	Physical Geography	3
GEOG 160 C	Cultural Geography	3
<i>Economics and Political Science Area</i>		
ECON 120 C	International Economics	3
POSC 215 C	Comparative Politics	3
POSC 230 C	International Relations	3
<i>Humanities Area</i>		
DANC 101 C	Multicultural Dance in the US	3
ENGL 208 C	Asian American Literature	3
ENGL 243 C	Mythology	3
ENGL 250 C	Latino-a-x Literature	3
ENGL 255 C	African-American Literature I	3
ENGL 256 C	African-American Literature II	3
ENGL 260 C	Survey of Arabic Literature (in translation)	3
or ENGL 260HC	Honors Survey of Arabic Literature	
SOC 277 C	Sociology of Religion	3
PHIL 101 C	Intro to Religious Studies	3
THEA 107 C	Diversity in American Theatre	3
or THEA 107HC	Honors Diversity in American Theatre	
List B: Select minimum 1 course from the Career education list below: (3-4.5 units)		3
AJ 160 C	Community and the Justice System	3
ATC 182 C	Cultural Tourism	3
EST 100 C	Renewable and Sustainable Energy	3

HRC 265 C	World Cuisine	4.5
JOUR 110 C	Global Media	3
PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
Total Units		21

Program Student Learning Outcomes:

OUTCOME 1: have a greater awareness of the impact of globalization; acknowledge the connections among and implications of local, regional and global issues; have at least one skill for entry-level employment and to initiate impactful positive change.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1632

Global Studies Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A39653
Financial Aid Eligible

The **Global Studies Associate in Arts Degree for Transfer** is designed to increase knowledge and the understanding of the processes of globalization and its impacts on societies, cultures, and environments around the world. The Global Studies program provides the student with a knowledge of critical issues that affect their lives and community, as well as the affairs of other cultures, societies, and nations. Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. To earn an AA-T in Global Studies for Transfer, students must complete the following requirements: (1) a minimum of

21 semester units or 31.5 quarter units in the major with a grade of C or better; . A P(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California State University General Education Breadth requirements (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) requirements;(3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires a total of 21 units.

Code	Title	Units
Required Core Cores (6 units):		
INDS 200 C	Introduction to Global Citizenship Studies	3
INDS 201 C	Global Citizenship Issues	3
Select five courses from four of the following areas below (15 units):		15
<i>CULTURE AND SOCIETY</i>		
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
HIST 113 C	World Civilizations II	3
or HIST 113HC	Honors World Civilizations II	
<i>GEOGRAPHY</i>		
GEOG 100 C	World Geography	3
or GEOG 100HC	Honors World Geography	
GEOG 102 C	Physical Geography	3
GEOG 160 C	Cultural Geography	3
<i>ECONOMICS</i>		
ECON 100 C	Principles of Economics-Macro	3
or ECON 100HC	Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
<i>POLITICS</i>		
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	3
or POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government)	
POSC 120 C	Political Theory	3
POSC 230 C	International Relations	3
Total Units		24

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1200

Global Citizenship Studies Certificate

Division: Social Sciences

PROGRAM CODE: 1C39156N

Financial Aid Eligible

The **Global Citizenship Studies Certificate**: As a result of completing this certificate program, students will be able to: 1. Describe key developments in the ongoing processes of globalization, climate change, mono-culturalization, decreasing biodiversity and ongoing social injustices and inequities 2. Analyze the concepts of global and local interdependence with reference to United Nations policies and documents 3. Critically consider and connect political, economic, cultural and ecological challenges as

discussed in contemporary news and social media venues 4. Examine and practice strategies for resolution. This certificate requires a total of 21-22.5 units.

Code	Title	Units
Required core courses (6 units):		
INDS 200 C	Introduction to Global Citizenship Studies	3
INDS 201 C	Global Citizenship Issues	3
List A: Select 1 course from each of the 4 areas below: (12 units)		12
<i>CULTURE AND SOCIETY</i>		
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
COMM 120 C	Intercultural Communication	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 160 C	Native American History I	3
ETHS 161 C	Native American History II	3
ETHS 171 C	Asian Pacific American History	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
<i>BIOLOGY AND GEOGRAPHY</i>		
BIOL 103 C	Environmental Science	3
PHS 107 C	Nutrition and World Food Issue	3
GEOG 100 C	World Geography	3
or GEOG 100HC	Honors World Geography	
GEOG 102 C	Physical Geography	3
GEOG 160 C	Cultural Geography	3
<i>ECONOMICS AND POLITICAL SCIENCE</i>		
ECON 120 C	International Economics	3
POSC 215 C	Comparative Politics	3
POSC 230 C	International Relations	3
<i>HUMANITIES</i>		
DANC 101 C	Multicultural Dance in the US	3
ENGL 208 C	Asian American Literature	3
ENGL 243 C	Mythology	3
ENGL 255 C	African-American Literature I	3
ENGL 256 C	African-American Literature II	3
ENGL 260 C	Survey of Arabic Literature (in translation)	3
or ENGL 260HC	Honors Survey of Arabic Literature	
PHIL 101 C	Intro to Religious Studies	3
SOC 277 C	Sociology of Religion	3
THEA 107 C	Diversity in American Theatre	3
or THEA 107HC	Honors Diversity in American Theatre	
List B: Select minimum 1 course from Career Education list below: (3-4.5 units)		3-4.5
AJ 160 C	Community and the Justice System	3
ATC 182 C	Cultural Tourism	3
EST 100 C	Renewable and Sustainable Energy	3

HRC 265 C	World Cuisine	3
JOUR 110 C	Global Media	3
PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3

Total Units **21-22.5**

Program Student Learning Outcomes

OUTCOME 1: have a greater awareness of the impact of globalization; acknowledge the connections among and implications of local, regional and global issues; have at least one skill for entry-level employment and to initiate impactful positive change.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1631

Japanese

Division: Language Arts

Division Dean

Dr. Janet Vera Lopez

Faculty

Mihoko Luther

Counselors

Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Japanese Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

The courses taught by this department contribute to the General Education and Basic Skills Program Learning Outcomes. Please refer to General Education and Basic Skills Program Learning Outcomes.

Journalism and Media Studies

Division: Visual and Performing Arts

Division Dean

Dr. Kellori Dower

Faculty

Michael Coronado

Counselors

Renay Laguana-Ferina
Renee Ssensalo

Patrons of the Arts

The Cypress College Patrons of the Arts is a non-profit, tax-exempt organization that functions under the auspices of the Cypress College Foundation. It was founded in 1975 to encourage community participation in the college's visual & performing arts programs and exhibits, foster cultural, visual, and performing arts activities at the college, and to raise funds to provide scholarships to talented students in the fields of:

**Art
Dance
Journalism
Media Arts Design1
Music
Photography
Theatre**

Please contact the Cypress College Patrons of the Arts at tchevalier@CypressCollege.edu or (714) 484-7139 for further information.

- Journalism Associate in Arts Degree for Transfer (AA-T)

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Students who complete the Journalism field of study will be able to:

- Acquire knowledge, skills, and competencies necessary for employment.

Journalism Associate in Arts Degree for Transfer (AA-T)

Division: Visual and Performing Arts

PROGRAM CODE: 1A35300

Financial Aid Eligible

The **Journalism Associate in Arts Degree for Transfer** is designed to provide an opportunity for the Journalism major to achieve a Journalism Associate in Arts Degree for Transfer (AA-T in Journalism) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended, completion of this curriculum will also demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Journalism or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center, and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer in Journalism 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. 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 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 with an AA-T in Journalism may pursue careers in Journalism, Public Relations and Advertising as well as careers in a variety of mass communication media, including integrated, digital media on the internet and careers in traditional media such as print and broadcasting. To earn an AA-T in Journalism, students must complete: (1) a minimum of 18 semester units or 27 quarter units of major course requirements with a minimum grade of "C"; .AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core Courses (9 units):		
JOUR 101 C	Reporting and Writing	3
JOUR 110 C	Global Media	3
JOUR 225 C	Student Media Practicum I	3
List A - Select from the following (3 units):		
JOUR 130 C	Visual Communication (formerly MM 110 C)	3
JOUR 140 C	Public Relations	3
JOUR 226 C	Student Media Practicum II	3

JOUR 228 C	Visual Journalism	3
List B - Select from the following (6-8 units):		6-8
PHOT 101 C	Introduction to Photography	3
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
COMM 135 C	Argument and Critical Thinking	3
ECON 100 C	Principles of Economics-Macro	3
or ECON 100HC	Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
ENGL C1001	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing)	
or ENGL C1001H	Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	
PHIL 175 C	Symbolic Logic	3
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	3
or POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government)	
POSC 215 C	Comparative Politics	3
Total Units		21-23

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1209

Kinesiology

Division: Kinesiology

Division Dean

Colin Preston

Faculty

Andrew Alhadeff
Mark Canner
Sergio Cutrona
Dr. Silvie Grote
Anthony Hutting
Margaret Mohr
Nancy Welliver

Counselor

LaRon Armstead
Joseph Jimenez

Kinesiology Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

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- Aquatics Specialist Certificate
 - Athletic Coach Certificate
 - Fitness Specialist Certificate
 - Kinesiology Associate in Arts Degree
 - Kinesiology Associate in Arts Degree for Transfer (AA-T)
 - Sport Management Certificate
 - Yoga Teacher Training Certificate (200-hour)
 - Yoga Therapy Certificate (300-hr)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Kinesiology and Athletics, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Students who complete the Kinesiology program, students will be able to:

- Identify various career opportunities within the field of kinesiology.
- Demonstrate an understanding of the anatomical structure and physiological function of the body at rest and in human performance.
- Apply the principles of physical fitness development and maintenance as well as the body's responses to physical activity.
- Recognize factors instrumental in the development and performance of motor skills.
- Demonstrate an understanding of the value and significance of physical activity for human development, human interactions and quality of life.
- Display leadership, effective communication, and skill set related to the field.
- Appreciate and endorse the value of lifelong fitness.

Upon completion of the Public Health Science program, students will be able to:

- Describe the core functions of public health.
- Identify various career opportunities within the field of public health.

- Apply critical analysis skills to contemporary health issues.
- Assess the fundamental characteristics and organizational structures of the U.S. Health system and note significant differences in systems in other countries.
- Discuss the role of community engagement in promoting public health and social justice.
- Describe risk factors and modes of transmissions for infectious and chronic diseases and how these diseases affect both personal and public health.
- Appreciate the multiple determinants of health, including sociological, economic, genetic, behavioral, environmental, and other factors that impact human health and health disparities.
- Apply the basic concepts, methods, and tools of public health data collection, use, and analysis and explain why evidence-based approaches are an essential part of public health practice.
- Endorse lifestyle behaviors that promote individual and public health and well-being.
- Value multicultural perspectives and sensitivities on health.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Kinesiology Associate in Arts Degree for Transfer (AA-T)

Division: Kinesiology

PROGRAM CODE: 1A32135

Financial Aid Eligible

The **Kinesiology Associate in Arts Degree for Transfer** is designed to provide an opportunity for the Kinesiology major to achieve a Kinesiology Associate in Arts for Transfer (AA-T in Kinesiology) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Kinesiology or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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) are guaranteed admission

to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students with a degree in Kinesiology may pursue careers in a variety of health science professions including physical training, physical therapy, fitness instruction, coaching and athletics. The completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper-division work. To earn an AA-T in Kinesiology students must complete the following requirements: (1) a minimum of 21-23 semester units or 31.5-34.5 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, . A P(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better, (3) the California General Education Transfer Curriculum (Cal-GETC) requirements for lower division general education coursework, (4) 60 semester or 90 quarter CSU-transferable units, and (5) obtainment of a minimum grade point average (GPA) of 2.0. This degree requires a total of 20-22 units, in addition to other graduation requirements.

Code	Title	Units
Required Core Courses (11 units):		
KIN 230 C	Introduction to Kinesiology (formerly PE 252 C)	3
BIOL 231 C	General Human Anatomy	4
BIOL 241 C	General Human Physiology	4
Movement-Based Courses - Select one course from three of the following areas (3 units):		3
Aquatics		
KIN 110 C	Surfing (formerly PE 122 C)	1
KIN 111 C	Swimming (formerly PE 134 C)	1
KIN 112 C	Swimming-Intermediate-Advanced	1
KIN 114 C	Springboard Diving (formerly PE 136 C)	1
KIN 115 C	Springboard Diving - Intermediate - Advanced	1
KIN 116 C	Swim for Fitness (formerly PE 149 C)	1
KIN 117 C	Water Aerobics (formerly PE 151 C)	1
KIN 118 C	Aqua Zumba	1
KIN 119 C	Aqua Bootcamp	1
Combatives		
KIN 120 C	Kick-Boxing (formerly PE 163 C)	0.5-1
KIN 121 C	Self-Defense (formerly PE 170 C)	0.5-1
Fitness		
KIN 128 C	Yoga-Intermediate	0.5-1
KIN 129 C	Vinyasa Yoga	1
KIN 130 C	Yoga (formerly PE 102 C)	0.5-1
KIN 131 C	Restorative and Gentle Yoga	0.5-1
KIN 132 C	Hatha Yoga	0.5-1
KIN 133 C	Cardiovascular Conditioning (formerly PE 114 C)	0.5-1
KIN 134AC	Walking for Fitness - Beginning (formerly KIN 134 C)	0.5-1

KIN 134BC	Walking for Fitness - Intermediate	0.5-1
KIN 135 C	Cardio Step (formerly PE 129 C)	0.5-1
KIN 136 C	Cardio Step - Intermediate (formerly Step Aerobics - Intermediate)	0.5-1
KIN 137 C	Mountaineering and Rock Climbing (formerly PE 142 C)	0.5-1
KIN 138 C	Body Sculpt (formerly PE 148 C)	0.5-1
KIN 139 C	Cardio Blast (formerly PE 150 C)	0.5-1
KIN 140 C	Fitness Training (formerly PE 152 C)	0.5-1
KIN 142 C	Power Training (formerly PE 156 C)	0.5-1
KIN 143 C	Strength Training (formerly PE 159 C)	0.5-1
KIN 144 C	Boot Camp Workout - Intermediate (formerly HIIT - High Intensity Interval Training)	0.5-1
KIN 145 C	Boot Camp Workout (formerly PE 168 C)	0.5-1
KIN 146 C	Cardio Core (formerly PE 178 C)	0.5-1
KIN 147 C	Body Building and Development (formerly PE 182 C)	0.5-1
KIN 148 C	Total Body Fitness (formerly PE 187 C)	0.5-1
KIN 149 C	Weight Training and Lifting (formerly PE 193 C)	0.5-1
KIN 150AC	Trail Hiking - Beginning	0.5-1
KIN 150BC	Trail Hiking - Intermediate	1
KIN 150CC	Trail Hiking - Advanced	1
KIN 151 C	Spinning-Beginning	1
KIN 152 C	Spinning - Intermediate	1
KIN 154 C	Triathlon - Beginning	1
KIN 155 C	Triathlon - Intermediate	1
KIN 198 C	Athletic Weight Training (formerly PE 104 C)	0.5-3
KIN 199 C	Conditioning for Athletes (formerly PE 162 C)	0.5-3
KIN 200 C	Athletic Skill Development	1-3
KIN 201 C	Athletic Fitness Development	1-3
Individual Sports		
KIN 163 C	Table Tennis (formerly PE 107 C)	0.5-1
KIN 164 C	Bowling - Beginning (former PE 108 C)	0.5-1
KIN 165 C	Bowling - Intermediate	0.5-1
KIN 166 C	Bowling - Advanced	0.5-1
KIN 168 C	Tennis - Beginning (formerly PE 139 C)	0.5-1
KIN 169 C	Tennis - Intermediate (formerly PE 141 C)	0.5-1
KIN 170 C	Tennis - Advanced	0.5-1
KIN 171 C	Golf - Beginning (formerly PE 115 C)	0.5-1
KIN 172 C	Golf - Intermediate (formerly PE 157 C)	0.5-1
KIN 173 C	Golf - Advanced	0.5-1
Team Sports		
KIN 160 C	Badminton - Beginning (formerly PE 105 C Badminton)	1
KIN 161 C	Badminton - Intermediate	1
KIN 162 C	Badminton - Advanced	1
KIN 174 C	Pickleball - Beginning	0.5-1
KIN 175 C	Pickleball - Intermediate	0.5-1
KIN 176 C	Pickleball - Advanced	1
KIN 180 C	Futsal - Beginning (formerly PE 109 C)	0.5-1

KIN 181 C	Futsal - Intermediate	0.5-1
KIN 182 C	Futsal - Advanced	0.5-1
KIN 183 C	Volleyball - Beginning (formerly PE 144 C)	0.5-1
KIN 184 C	Volleyball - Intermediate (formerly PE 145 C)	0.5-1
KIN 185 C	Volleyball - Advanced	0.5-1
KIN 186 C	Beach Volleyball - Beginning (formerly PE 126 C)	0.5-1
KIN 187 C	Beach Volleyball - Intermediate (formerly PE 128 C)	0.5-1
KIN 188 C	Beach Volleyball - Advanced	0.5-1
KIN 189 C	Basketball - Beginning (formerly PE 181 C)	0.5-1
KIN 190 C	Basketball - Intermediate (formerly PE 160 C)	0.5-1
KIN 191 C	Basketball - Advanced	0.5-1
KIN 192 C	Water Polo (formerly PE 146 C)	0.5-1
KIN 193AC	Soccer - Beginning (formerly KIN 193 C)	0.5-1
KIN 193BC	Soccer - Intermediate	0.5-1
KIN 193CC	Soccer - Advanced	1
KIN 194 C	Softball (formerly PE 172 C)	0.5-1
KIN 195AC	Baseball - Beginning (formerly KIN 195 C)	0.5-1
KIN 195BC	Baseball - Intermediate	0.5-1
KIN 195CC	Baseball - Advanced	1
KIN 197 C	Flag Football (formerly PE 197 C)	0.5-1
List A: Select two courses (6-8 units) from the following:		7-9
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4
PSY 161 C	Probability and Statistics-Social Sciences	4
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3
Total Units		25-27

Program Student Learning Outcomes:

OUTCOME 1: Acquire knowledge, skills, and competencies in the field of kinesiology, including demonstrating human movement science, functional anatomy and physiology, and related kinesiology skills, necessary for transfer to a 4-year institution.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1733

Kinesiology Associate in Arts Degree

Division: Kinesiology

PROGRAM CODE: 1A03769A
Financial Aid Eligible

The **Kinesiology Associate in Arts Degree** is designed to prepare students with a knowledgeable base of physical fitness, health practices, and

professional activities for entry into the discipline of physical education/kinesiology/athletics. Further specialization is possible by combining the Associate of Arts Degree with electives chosen from a certificate program in fitness, aquatics, or coaching. A student may also elect to work toward a transfer program preparing for entry to a four-year institution. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. . This degree requires completion of 18-20 units, in addition to other degree requirements.

Code	Title	Units
Required courses are listed in suggested sequence (9-11 units):		
BIOL 101 C	General Biology	3-5
or BIOL 101HC	Honors General Biology	
or BIOL 102 C	Human Biology	
or BIOL 160 C	Fundamentals of Human Anatomy and Physiology	
or BIOL 210 C	Anatomy and Physiology	
or BIOL 231 C	General Human Anatomy	
or BIOL 241 C	General Human Physiology	
KIN 230 C	Introduction to Kinesiology (formerly PE 252 C)	3
Select at least 3 units from Kinesiology activity courses KIN 100 - 221		3
Elective Courses: Select from the following (9 units):		9
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
KIN 236 C	Athletic Injuries-Prevention and Care (formerly PE 236 C)	3
KIN 240 C	Sports Officiating (formerly PE 240 C)	3
KIN 241 C	Theory of Coaching Basketball (formerly PE 266 C)	3
KIN 242 C	Theory of Coaching Baseball (formerly PE 267 C)	3
KIN 243 C	Theory of Coaching Aquatics	3
KIN 244 C	Lifetime Fitness and Wellness (formerly Human Performance)	3
KIN 245 C	Theory of Coaching Soccer	3
KIN 246 C	Sports in Film	3
KIN 247 C	Sports Management (formerly PE 247 C)	3
KIN 248 C	Psychology of Sport	3
KIN 249 C	Sport and United States Society (formerly PE 250 C)	3
KIN 271 C	Movement Anatomy	3
KIN 272 C	Strength and Conditioning	3
KIN 273 C	Exercise Physiology	3
KIN 274 C	Exercise Testing and Prescription	3
KIN 295 C	Kinesiology - Internship Seminar	3
PHS 107 C	Nutrition and World Food Issue	3

PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3
REC 100 C	Foundations of Recreation and Leisure Services	3
REC 102 C	Recreation - Sport Leadership and Diverse Groups	3
Total Units		18-20

Program Student Learning Outcomes:

OUTCOME 1: Acquire knowledge, skills, and competencies, including physical fitness, health practices, and professional activities for entry into the discipline of physical education/kinesiology/athletics.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1734

Aquatics Specialist Certificate

Division: Kinesiology

PROGRAM CODE: 1C07829

Financial Aid Eligible

The **Aquatics Specialist Certificate**: Primary emphasis is to prepare the student for occupational competency in swimming instruction as recommended by the state of California and the American Red Cross. Course work in KIN 235 C, KIN 255 C, and KIN 256 C may use credit for prior learning approval based on current Red Cross certification in First Aid and CPR, Life Guarding and Water Safety Instruction at the discretion of the division. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (4 units):		
KIN 112 C	Swimming-Intermediate-Advanced	1
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
Elective Courses (12 units):		12
KIN 110 C	Surfing (formerly PE 122 C)	1
KIN 114 C	Springboard Diving (formerly PE 136 C)	1
KIN 115 C	Springboard Diving - Intermediate - Advanced	1
KIN 116 C	Swim for Fitness (formerly PE 149 C)	1
KIN 117 C	Water Aerobics (formerly PE 151 C)	1
KIN 118 C	Aqua Zumba	1
KIN 119 C	Aqua Bootcamp	1
KIN 192 C	Water Polo (formerly PE 146 C)	1
KIN 213 C	Intercollegiate Swimming - Men (formerly PE 211 C)	3
KIN 214 C	Intercollegiate Swimming - Women (formerly PE 212 C)	3
KIN 218 C	Intercollegiate Water Polo - Women (formerly PE 219 C)	3
KIN 219 C	Intercollegiate Water Polo - Men	3

KIN 236 C	Athletic Injuries-Prevention and Care (formerly PE 236 C)	3
KIN 243 C	Theory of Coaching Aquatics	3
KIN 247 C	Sports Management (formerly PE 247 C)	3
KIN 248 C	Psychology of Sport	3
KIN 255 C	Lifeguarding (formerly PE 237 C)	1
KIN 256 C	Water Safety Instruction (formerly PE 238 C)	2
KIN 272 C	Strength and Conditioning	3
KIN 274 C	Exercise Testing and Prescription	3
KIN 295 C	Kinesiology - Internship Seminar	3
PHS 107 C	Nutrition and World Food Issue	3
REC 100 C	Foundations of Recreation and Leisure Services	3
REC 102 C	Recreation - Sport Leadership and Diverse Groups	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Acquire workforce preparation skills, including advanced lifesaving techniques and water safety, to become certified lifeguard.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1737

Athletic Coach Certificate

Division: Kinesiology

PROGRAM CODE: 1C07830

Financial Aid Eligible

The **Athletic Coach Certificate**: Primary emphasis is to prepare the student for occupational coaching at various levels. Course work in KIN 235 C may be waived with current Red Cross cards in First Aid and CPR at the discretion of the division. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (9 units):		
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
or KIN 236 C	Athletic Injuries-Prevention and Care (formerly PE 236 C)	
KIN 272 C	Strength and Conditioning	3
KIN 295 C	Kinesiology - Internship Seminar	3
Elective Courses (7 units):		7
Activity Courses: KIN 100 - KIN 201 (1 units)		
KIN 230 C	Introduction to Kinesiology (formerly PE 252 C)	3
KIN 240 C	Sports Officiating (formerly PE 240 C)	3
KIN 241 C	Theory of Coaching Basketball (formerly PE 266 C)	3

KIN 242 C	Theory of Coaching Baseball (formerly PE 267 C)	3
KIN 243 C	Theory of Coaching Aquatics	3
KIN 245 C	Theory of Coaching Soccer	3
KIN 247 C	Sports Management (formerly PE 247 C)	3
KIN 248 C	Psychology of Sport	3
KIN 249 C	Sport and United States Society (formerly PE 250 C)	3
KIN 273 C	Exercise Physiology	3
KIN 274 C	Exercise Testing and Prescription	3
PHS 107 C	Nutrition and World Food Issue	3
PHS 294 C	Interpersonal Neurobiology and the Mind-Body Connection	3
PHS 296 C	Whole Systems Integrative Health	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Acquire workforce preparation skills, including game and practice planning, to become an athletic coach.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1735

Fitness Specialist Certificate

Division: Kinesiology

PROGRAM CODE: 1C07828N

Financial Aid Eligible

The **Fitness Specialist Certificate**: Primary emphasis is to prepare the student for occupational competency in private and corporate fitness industry. Course work in KIN 235 C may be waived with current Red Cross cards in First Aid and CPR at the discretion of the division. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (12 units):		
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
KIN 272 C	Strength and Conditioning	3
KIN 274 C	Exercise Testing and Prescription	3
KIN 295 C	Kinesiology - Internship Seminar	3
Elective Courses (4 units):		4
KIN 100 C - KIN 201 C (1 units)		
KIN 230 C	Introduction to Kinesiology (formerly PE 252 C)	3
KIN 236 C	Athletic Injuries-Prevention and Care (formerly PE 236 C)	3
KIN 241 C	Theory of Coaching Basketball (formerly PE 266 C)	3
KIN 242 C	Theory of Coaching Baseball (formerly PE 267 C)	3
KIN 243 C	Theory of Coaching Aquatics	3

KIN 245 C	Theory of Coaching Soccer	3
KIN 248 C	Psychology of Sport	3
KIN 249 C	Sport and United States Society (formerly PE 250 C)	3
KIN 271 C	Movement Anatomy	3
KIN 273 C	Exercise Physiology	3
PHS 107 C	Nutrition and World Food Issue	3
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3
PHS 294 C	Interpersonal Neurobiology and the Mind-Body Connection	3
PHS 296 C	Whole Systems Integrative Health	3
Total Units		16

Program Student Learning Outcomes

OUTCOME 1: Acquire workforce preparation skills, including functional anatomy and physiology, and kinesiology skills and components of fitness, to work in the fitness/strength and conditioning industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1736

Sport Management Certificate

Division: Kinesiology

PROGRAM CODE: 1C42425N

Financial Aid Eligible

The **Sport Management Certificate** prepares students for a career in kinesiology with an emphasis on sport management. The program is designed to help students acquire knowledge, skills and abilities needed to work in the sports management field and successfully manage sport programs. To earn this certificate, complete the required courses as listed with a grade of C or better. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses are listed in suggested sequence: (9 units)		
KIN 247 C	Sports Management (formerly PE 247 C)	3
KIN 295 C	Kinesiology - Internship Seminar	3
REC 102 C	Recreation - Sport Leadership and Diverse Groups	3
Elective Courses: Select from the following (7 units)		7
KIN 100-KIN 201 Activity courses		
ACCT 101 C	Financial Accounting	5
COMM 105 C	Interpersonal Communication	3
ECON 100 C	Principles of Economics-Macro	3
	or ECON 100HC Honors Princ of Econ-Macro	
KIN 230 C	Introduction to Kinesiology (formerly PE 252 C)	3
KIN 241 C	Theory of Coaching Basketball (formerly PE 266 C)	3
KIN 242 C	Theory of Coaching Baseball (formerly PE 267 C)	3
KIN 243 C	Theory of Coaching Aquatics	3

KIN 245 C	Theory of Coaching Soccer	3
KIN 248 C	Psychology of Sport	3
KIN 249 C	Sport and United States Society (formerly PE 250 C)	3
KIN 271 C	Movement Anatomy	3
KIN 272 C	Strength and Conditioning	3
KIN 273 C	Exercise Physiology	3
KIN 274 C	Exercise Testing and Prescription	3
REC 100 C	Foundations of Recreation and Leisure Services	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Acquire workforce preparation skills, including successfully managing community sport programs, to work in the sport management field.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1599

Yoga Teacher Training Certificate (200-hour)

Division: Kinesiology

PROGRAM CODE: 1C41003

Financial Aid Eligible

The **Yoga Teacher Training (200-hour) Certificate** prepares students for and satisfies requirements of Yoga Alliance (RYS 200) accredited program. This program is designed first, for students to experience the study of Yoga as a system of practice; and second, from a place of experience, provide teaching tools based on the methodological study of Yoga. This methodological study of Yoga is based on Patanjali's Yoga Sutras and is designed to prepare students for employment as Yoga Teachers in the health and wellness industry. To earn this certificate, complete the required courses as listed with a grade of C or better. This certificate requires a total of 11 units.

Code	Title	Units
Required courses are listed in suggested sequence: (9 units)		
KIN 290 C	Philosophy and Consciousness of Yoga	3
KIN 291 C	Yoga and the Physical Body	3
KIN 293 C	Contemporary Yoga Studies	3
Elective courses: select 2 units from the following: (2 units)		2
KIN 128 C	Yoga-Intermediate	1
KIN 129 C	Vinyasa Yoga	1
KIN 130 C	Yoga (formerly PE 102 C)	1
KIN 131 C	Restorative and Gentle Yoga	1
KIN 132 C	Hatha Yoga	1
Total Units		11

Program Student Learning Outcomes:

OUTCOME 1: Acquire skills and knowledge that include functional anatomy, physiology, meditation, mindfulness, posture, and breathing practice, and prepare student for a career as a yoga teacher

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1728

Yoga Therapy Certificate (300-hr)

Division: Kinesiology

PROGRAM CODE: 1C44074

The **Yoga Therapy Certificate (300-hr)** is designed for students who wish to pursue Yoga from a therapeutic and interventional perspective and satisfies requirements of Yoga Alliance (RYS 300) accredited program. Yoga therapy is the therapeutic application of Yoga derived from Patanjali's Yoga Sutras and principles of Ayurvedic medicine. Yoga Therapy is a whole systems approach to health, healing, and vitality, and its primary goal is to facilitate a state of sattva, balance, to the individual, which is accomplished through assessing and implementing specific modalities across all kosha layers of the individual, from physical to subtle and energetic. The certificate is designed to prepare students for employment as Yoga Teachers in the health and wellness industry. To earn this certificate, complete the required courses as listed with a grade of C or better. This certificate requires a total of 19 units.

Code	Title	Units
Required courses are listed in suggested sequence: (12 units):		
KIN 292 C	Yoga and the Subtle Body	3
KIN 294 C	Ayurveda and Lifestyle Medicine	3
KIN 296 C	Yoga Therapy	3
KIN 293 C	Contemporary Yoga Studies	3
Elective Courses (7 units):		7
KIN 128 C	Yoga-Intermediate	1
KIN 129 C	Vinyasa Yoga	1
KIN 130 C	Yoga (formerly PE 102 C)	1
KIN 131 C	Restorative and Gentle Yoga	1
KIN 132 C	Hatha Yoga	1
PHS 294 C	Interpersonal Neurobiology and the Mind-Body Connection	3
PHS 296 C	Whole Systems Integrative Health	3
Total Units		19

Program Student Learning Outcomes:

OUTCOME 1: Acquire skills and knowledge to assess and implement specific modalities across all kosha layers of the individual to aid wellness.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1727

Liberal Studies

Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Multiple Subject Matter Program

A Multiple Subject Credential is required to teach elementary school in California. Before entering a Multiple Subject Credential Program a student must either earn a Bachelor Degree and pass the Multiple Subjects Assessment for Teachers or complete a Bachelor Degree that includes an approved Multiple Subject Matter Program that meets the seven areas prescribed by the Commission on Teacher Credentialing. Students should see a counselor for assistance in choosing appropriate classes to meet specific university requirements.

NOTE: Students, please see the Associate In Arts In Elementary Teacher Education for Transfer, (AAT) listed under Education.

The Liberal Arts degree with an area of emphasis is designed to give students a broad introduction to an area of knowledge represented by related disciplines and topics. These degrees are intended for students who may not be intending to pursue a specific occupational major, nor are they necessarily planning to transfer. However, careful educational planning with a counselor will help to ensure that if a student did decide at a later date to transfer to a university, they would have a foundation in the transfer planning process. Students will select an "Area of Emphasis" based on their interests and educational goals.

NOTE: All Liberal Arts Emphasis Degrees are subject to the Local Degree (AA/AS) Graduation Requirements:

<https://catalog.nocccd.edu/cypress-college/programs-study/associate-degrees/graduation-requirements-associate-degree/>

Degrees:

Liberal Arts Associate in Arts Degree with an Area of Emphasis in Arts and Humanities

Liberal Arts Associate in Arts Degree with an Area of Emphasis in Human Communication

Liberal Arts Associate in Arts Degree with an Area of Emphasis in Social and Behavioral Sciences

Liberal Arts Associate in Science Degree with an Area of Emphasis in Math and Science

Library

Division: Library and Learning Resource Centers

Division Dean

Dr. Treisa Cassens

Faculty

Monica Doman
Leslie Palmer
William Pashaie
Joyce Peacock
Annette Young

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Business Management

Division: Business and Computer Information Systems

Division Dean

Dr. Treisa Cassens (Interim)

Faculty

Jeannie Jo
Dr. Kathleen Troy

Counselor

Robert Grantham

Business Administration Transfer Program (AS-T Business Administration)

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Business Economics Certificate
- Business Management Associate in Science Degree
- Business Management Certificate
- Small Business Management Associate in Science Degree
- Small Business Management Certificate
- Legal Videographer Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Business and Computer Information Systems, B1-Reading, B2-Writing, B3-Communicating, C2-Computation, C3-Research, C4-Problem Solving, D1-Personal Responsibility, and D3-Equity.

A student who completes the Management field of study will be able to:

- Understand how organizations operate and what it takes to succeed as a manager, acquiring the leadership knowledge and skills to carry out administrative functions in the key areas of management, communications, finance, and law.
- Enhance his/her employment opportunity in the specific area of management.
- Understand how organizations operate and what it takes to succeed as a manager, acquiring the leadership knowledge and skills to carry out administrative functions in the key areas of management, communications, finance, and law.
- Enhance his/her employment opportunity in the specific area of management.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Business Management Associate in Science Degree

Division: Business and Computer Information Systems

PROGRAM CODE: 1S03762

Financial Aid Eligible

The **Business Management Associate in Science Degree** is designed to prepare students for careers in the administration of modern organizations. Focusing on the ways that businesses operate and what it takes to succeed as a manager, the program covers such areas as management, marketing, law, accounting, economics, and the global environment. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; (3) the Social Justice, Equity and Sustainability and reading requirements; (4) any elective courses to complete a minimum of 60 units; and, (5) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires 29 units in the major in addition to other graduation requirements.

Code	Title	Units
Required courses are listed in suggested sequence: (29 units)		
BUS 100 C	Introduction to Business	3
CIS 111 C	Computer Information Systems	3
BUS 262 C	Principles of Management	3
BUS 266 C	Human Relations in Business	3
BUS 240 C	Legal Environment of Business	3
ACCT 101 C	Financial Accounting	5
BUS 222 C	Principles of Marketing	3
ECON 110 C	Survey of Economics	3
or ECON 105 C	Principles of Economics-Micro	
or ECON 105HC	Honors Princ of Econ - Micro	
BUS 261 C	Small Business Management	3
Total Units		29

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills necessary for a career in the administration of modern organizations, including businesses operation, techniques to succeed as a manager, including management, marketing, law, accounting, economics, and the global environment.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1385

Small Business Management Associate in Science Degree

Division: Business and Computer Information Systems

PROGRAM CODE: 1S12296

Financial Aid Eligible

The **Small Business Management Associate in Science Degree** is designed to provide students with the necessary information and skills to start, manage, and promote a small business enterprise in today's global environment. Focusing on the steps involved in building a business, the program covers all aspects of business ownership and the ways to develop one's entrepreneurial abilities. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires 29 units in the major, in addition to other General Graduation requirements.

Code	Title	Units
Required courses are listed in suggested sequence: (23 units)		
BUS 100 C	Introduction to Business	3
BUS 261 C	Small Business Management	3
BUS 201 C	Small Business Promotion	3
BUS 222 C	Principles of Marketing	3
BUS 208 C	Principles of Selling	3
BUS 266 C	Human Relations in Business	3
ACCT 101 C	Financial Accounting	5
Electives - Select 2 courses (6 units)		6
BUS 103 C	Principles of Advertising	3
CIS 111 C	Computer Information Systems	3
BUS 224 C	International Marketing	3
BUS 101 C	Personal Finance	3
BUS 105 C	Principles of Retailing	3
BUS 267 C	Principles of Supervision	3
BUS 211 C	Writing for Business	3
Total Units		29

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills necessary to start, manage, and promote a small business enterprise in today's global environment with emphasis on the steps involved in building a business, including all aspects of business ownership and the ways to develop one's entrepreneurial abilities.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1384

Business Economics Certificate

Division: Business and Computer Information Systems

Program Code: 1C17172

The **Business Economics Certificate** this certificate program provides students with the necessary knowledge to make informed financial decisions. Students will gain an understanding of supply and demand and resource allocation issues, marketplace competitive factors, consumer purchasing patterns, and money-management and investment strategies. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 12 units.

Code	Title	Units
Required Courses are listed in suggested sequence (12 units):		
ECON 105 C	Principles of Economics-Micro ¹	3
or ECON 105HC	Honors Princ of Econ - Micro	
BUS 100 C	Introduction to Business	3
ECON 130 C	Consumer Economics	3
or BUS 210 C	Consumer Behavior	
BUS 101 C	Personal Finance	3
Total Units		12

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1421

Business Management Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C21095

Financial Aid Eligible

The **Business Management Certificate** provides students with the necessary skills to perform the various administrative duties of a manager. The program focuses on management, marketing, law, economics, and the global business environment. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 units.

Code	Title	Units
Required courses are listed in suggested sequence: (17 units)		
BUS 100 C	Introduction to Business	3
BUS 222 C	Principles of Marketing	3
or BUS 210 C	Consumer Behavior	
BUS 240 C	Legal Environment of Business	3
or BUS 262 C	Principles of Management	
ACCT 101 C	Financial Accounting	5
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
Total Units		17

Program Student Learning Outcomes:

OUTCOME 1: Acquire the necessary skills to perform the various administrative duties of a manager with emphasis on management, marketing, law, economics, and the global business environment.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1387

Small Business Management Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C21096
Financial Aid Eligible

The **Small Business Management Certificate** provide an organized course of study that will enable students to develop their entrepreneurial skills, recognize opportunities, and learn the basics of starting and managing a small business in today's global environment. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 29 units.

Code	Title	Units
Required Courses are listed in suggested sequence: (23 units)		
BUS 100 C	Introduction to Business	3
BUS 261 C	Small Business Management	3
BUS 201 C	Small Business Promotion	3
BUS 222 C	Principles of Marketing	3
BUS 208 C	Principles of Selling	3
BUS 266 C	Human Relations in Business	3
ACCT 101 C	Financial Accounting	5
Electives (6 units):		6
BUS 103 C	Principles of Advertising	3
CIS 111 C	Computer Information Systems	3
BUS 224 C	International Marketing	3
BUS 101 C	Personal Finance	3
BUS 105 C	Principles of Retailing	3
BUS 267 C	Principles of Supervision	3
BUS 211 C	Writing for Business	3
Total Units		29

Program Student Learning Outcomes:

OUTCOME 1: Acquire entrepreneurial skills, recognize opportunities, and learn the basics of starting and managing a small business in today's global environment.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1386

Marketing

Division: Business and Computer Information Systems

Division Dean

Dr. Treisa Cassens (Interim)

Faculty

Jeannie Jo
Dr. Kathleen Troy

Counselor

Robert Grantham

Business Administration Transfer Program (AS-T Business Administration)

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Marketing Associate in Science Degree
- Marketing Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Business and Computer Information Systems, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, and D3-Equity.

Students who complete the Marketing field of study will be able to:

- Understand the various marketing functions (product development, pricing, promotion, and distribution) and how organizations utilize these to produce goods and services that satisfy the needs and wants of consumers.
- Enhance his/her employment opportunity in the specific area of marketing.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Marketing Associate in Science Degree

Division: Business and Computer Information Systems

PROGRAM CODE: 1S03764

Financial Aid Eligible

The **Marketing Associate in Science Degree** is designed to prepare students for careers in marketing – performing the activities that enable businesses to satisfy customers' needs and wants. Students will learn product development, pricing, promotion, and distribution methods while gaining skills in selling, retailing, advertising, market researching, and other marketing areas. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires 21 units in the major, in addition to General Graduation requirements.

Code	Title	Units
Required courses are listed in suggested sequence: (18 units)		
BUS 100 C	Introduction to Business	3
BUS 103 C	Principles of Advertising	3
BUS 222 C	Principles of Marketing	3
BUS 105 C	Principles of Retailing	3
BUS 208 C	Principles of Selling	3
BUS 210 C	Consumer Behavior	3
Electives - Select one course: (3 units)		3
BUS 205 C	Multicultural Markets in U.S.	3
BUS 224 C	International Marketing	3
BUS 201 C	Small Business Promotion	3
ACCT 101 C	Financial Accounting	5
BUS 151 C	Business Mathematics	3
Total Units		21

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1392

Marketing Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C21098N

Financial Aid Eligible

The **Marketing Certificate** provides students with the necessary skills to carry out the key marketing functions in a business environment including developing, pricing, promoting, and distributing products and services. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 19-21 units.

Code	Title	Units
Required Courses are listed in suggested sequence (16 units):		
BUS 100 C	Introduction to Business	3
BUS 103 C	Principles of Advertising	3
BUS 222 C	Principles of Marketing	3
BUS 208 C	Principles of Selling	3
or BUS 261 C	Small Business Management	
or BUS 262 C	Principles of Management	
BUS 210 C	Consumer Behavior	3
COUN 139 C	Career Exploration (formerly COUN 141 C)	1
Electives (select one course from the courses listed below 3-5 units)		3-5
BUS 205 C	Multicultural Markets in U.S.	3
BUS 224 C	International Marketing	3
BUS 201 C	Small Business Promotion	3
ACCT 101 C	Financial Accounting	5
BUS 151 C	Business Mathematics	3
Total Units		19-21

Program Student Learning Outcomes:

OUTCOME 1: The Marketing department seeks to create a dynamic learning eco-system that prepares students for careers, position advancements and/or higher-level degrees through practical, real-world and community experiences in and out of the classroom.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1394

Mathematics

Division: Science/Engineering/Mathematics

Division Dean

Patricia Menchaca

Faculty

Jolina Cadilli
Alma Castro
Jennifer Coopman
Sarah DeMartino
Adam Eckenrode
Garet Hill
Nicole Ledesma
Eunju Lee
Kelly Nguyen
David Nusbaum
Sylvia Paek

Christina Plett
 Scott Roby
 Hoa Tran
 Joe Trevino
 Amy Ward

Counselors

Ernesto Heredia

Mathematics Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Mathematics Learning Center

(714) 484-7151

Students will find instructors and qualified tutors available for assistance in solving mathematical problems or in understanding mathematical concepts in the Mathematics Learning Center, located in Room 127 of the Library/Learning Resource Center.

Monday	8 a.m. - 8 p.m.
Tuesday	8 a.m. - 8 p.m.
Wednesday	8 a.m. - 8 p.m.
Thursday	8 a.m. - 8 p.m.
Friday	10 a.m. - 3 p.m.

- Mathematics Associate in Science Degree for Transfer (AS-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Science, Technology, Engineering, and Mathematics, B1-Reading, B2-Writing, B3-Communicating, C1-Analysis, C2-Computation, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Mathematics Associate in Science Degree for Transfer (AS-T)

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S32103

Financial Aid Eligible

The **Mathematics Associate in Science Degree for Transfer** is designed to provide an opportunity for the Mathematics major to achieve an Associate in Science in Mathematics for Transfer (AS-T in Mathematics) which completes the first and second year requirements for transfer to a four-year public California institution. Students with a degree in mathematics may pursue careers in a variety of industries such as education, finance, insurance, information technology, engineering and operations, manufacturing, consulting, analysis, research, and more. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Mathematics or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. The completion of this curriculum will demonstrate commitment to the Mathematics field and provide comprehensive preparation for upper-division work. To earn an AS-T in Mathematics students must complete the following requirements: (1) a minimum of 21 semester units or 31.5 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall

GPA of 2.0. This degree requires a total of 21 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses: (12 units)		
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
MATH 250AC	Multivariable Calculus	4
List A (5 units)		
MATH 250BC	Linear Algebra and Differential Equations	5
List B: Choose one course from the following: (4 units)		
PHYS 221 C	General Physics I	4
or STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
or MATH 120PC	Introduction to Probability and Statistics	
Total Units		21

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills necessary for transfer to a four-year institution, including limits, differentiation, integration, and their applications.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1496

Media Arts Design

Division: Visual and Performing Arts

Division Dean

Dr. Kellori Dower

Faculty

Katalin Angelov
Edward Giardina

Counselors

Renay Laguana-Ferriac
Renee Ssensalo

Patrons of the Arts

The Cypress College Patrons of the Arts is a non-profit, tax-exempt organization that functions under the auspices of the Cypress College Foundation. It was founded in 1975 to encourage community participation in the college's visual & performing arts programs and exhibits, foster cultural, visual, and performing arts activities at the college, and to raise funds to provide scholarships to talented students in the fields of:

**Art
Dance
Journalism
Media Arts Design1
Music
Photography
Theatre**

Please contact the Cypress College Patrons of the Arts at tchevalier@CypressCollege.edu or (714) 484-7139 for further information.

- 2D Animation Certificate
- 3D Certificate
- Advertising and Emerging Technologies Certificate
- Character and Background Design for Animation and Game Art Certificate
- Digital Cinema Production Certificate
- Digital Cinema Techniques and Technologies Certificate
- Digital Illustration Certificate
- Film, Television and Electronic Media Associate in Science Degree for Transfer (AS-T)
- Graphic Design Associate in Arts Degree
- Graphic Design Certificate
- Motion Design Certificate
- Post Production Basics for Cinema & Video Certificate
- Storyboarding Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Arts, Sciences, and Kinesiology Career Technical Education, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

Given a variety of media arts design, web design, video, cinema, and animation processes, students will be able to:

- Demonstrate their knowledge of various computer graphics, cinema and time based processes, theory, and technical skills.
- Effectively communicate content through the principles and elements of design.
- Critically analyze the principles and elements of design for content and historical importance.

- Visually articulate and comprehend the interconnection between media arts design, web design, video, cinema, design and culture.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

2D Animation Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C15693N

Financial Aid Eligible

This **2D Animation Certificate** provides the skills necessary for creating 2D digital animation. Students will learn to create digital frame by frame animation, digital drawings, paintings and illustrations for the purpose of creating two-dimensional animations. Emphasis is placed on development of a portfolio for employment and/or advancement. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 21 units.

Code	Title	Units
Required Courses as listed in numeric sequence (21 units):		
ART 182 C	Beginning Drawing	3
MAD 110 C	Animation History Technology	3
MAD 134 C	Digital Imaging (formerly Digital Imaging-Mac)	3
MAD 193 C	Introduction to 2D Animation	3
MAD 203 C	Intermediate 2D Animation	3
MAD 132 C	Digital Painting	3
or MAD 112 C	Digital Illustration (formerly Electronic Illustration-Mac)	
MAD 107 C	Motion Design I (formerly Motion Graphics I)	3
or MAD 204 C	Visual Development and Layout	
or MAD 200 C	Storyboarding, Comics, Previz (formerly Storyboard, Comics, Pre Visual)	
Total Units		21

Program Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills including animation history, digital animation, storyboarding and illustration skills necessary for a career in the field of 2D animation.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1705

3D Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C15694N

Financial Aid Eligible

The **3D Animation Certificate** provides the skills necessary to create three dimensional models and 3D animated short films appropriate for use in movies, television, electronic gaming, and Internet distribution. Emphasis is placed on development of a portfolio for employment and/or advancement. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses (18 units):		
MAD 104 C	Introduction to 3D (formerly Introduction to 3D Graphics-Mac)	3
or MAD 120 C	Beginning 3D	
MAD 150 C	Intermediate 3D (formerly Intermediate Animation-Mac)	3
MAD 156 C	Advanced 3D (formerly Advanced Animation-Mac)	3
MAD 180 C	Video Editing (formerly Video Editing-Mac)	3
MAD 200 C	Storyboarding, Comics, Previz (formerly Storyboard, Comics, Pre Visual)	3
MAD 210 C	3D Storyboarding and Layout	3
Total Units		18

Program Student Learning Outcomes

OUTCOME 1: A student who completes this program will be able to utilize 3D software to design 3D models.

OUTCOME 2: A student who completes this program will be able to utilize 3D technology to successfully execute the modeling, texturing and lighting of a 3D model.

OUTCOME 3: 3. A student who completes this program will be able to utilize 3D technology to animate 3D models and is able to implement 3D cameras.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1700

Advertising and Emerging Technologies Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C37961

Financial Aid Eligible

The **Advertising and Emerging Technologies Certificate** provides production knowledge and skills used by digital artists to perform a variety of production duties in the advertising field. The certificate focuses on emerging technologies in the advertising field such as the integration of 3D technology and experiential design. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
MAD 201 C	3D Typography for Media Design	3
MAD 107 C	Motion Design I (formerly Motion Graphics I)	3
MAD 116 C	Graphic Design I (formerly ART 140 C)	3
MAD 207 C	Projection Design (formerly Projection Mapping for Live Entertainment)	3
MAD 100 C	Introduction to Media Arts Design	3
MAD 102 C	Introduction to WEB Design (formerly Introduction to WEB Graphics-Mac)	3
or MAD 103 C	Exploring WEB Design (formerly Introduction to WEB Graphics-Windows)	
Total Units		18

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1267

Character and Background Design for Animation and Game Art Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C37959

Financial Aid Eligible

The **Character and Background Design for Animation and Game Art Certificate** provides production knowledge and skills used by traditional and digital artists to perform visual development tasks in the animation, game art and live-action areas of motion picture and time-based media creation. This certificate is a part of a sequence of certificates focused on providing essential skills for employment in the field of animation, game art and live-action production. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required courses are listed in suggested sequence (18 units):		
ART 182 C	Beginning Drawing	3
ART 185 C	Beginning Life Drawing	3
ART 244 C	Illustration	3
MAD 132 C	Digital Painting	3
MAD 204 C	Visual Development and Layout	3
MAD 100 C	Introduction to Media Arts Design	3
or MAD 200 C	Storyboarding, Comics, Previz (formerly Storyboard, Comics, Pre Visual)	
Total Units		18

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1269

Digital Cinema Production Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C30289N

Financial Aid Eligible

The **Digital Cinema Production Certificate** provides production knowledge and skills used by digital artists to perform a variety of production duties in the live-action and animation areas of motion picture and time-based media creation. This certificate is the second certificate in a sequence of skills based certificates for Digital Cinema. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
MAD 185 C	Documentary Film Production (formerly Documentary Digital Cinema)	3
MAD 187 C	Motion Design II (formerly Motion Graphics II)	3
MAD 188 C	Beginning Single Camera Production	3
MAD 186 C	Film and Video Field Productions (formerly Live Event Video and Audio Production)	3
MAD 183 C	Preproduction for TV, Video and Film	3
MAD 191 C	Film Noir Genre	3
or MAD 192 C	Great Directors of Cinema	
or MAD 193 C	Introduction to 2D Animation	
Total Units		18

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1334

Digital Cinema Techniques and Technologies Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C31229N

Financial Aid Eligible

The **Digital Cinema Techniques and Technologies Certificate** provides both historical and technical knowledge of cinema skills and practices. These areas are examined by specific film genre. Development of lighting, filming, recording, editing and directing are focused on within this certificate. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 units.

Code	Title	Units
Required Courses are listed in numeric sequence (17 units):		
MAD 180 C	Video Editing (formerly Video Editing-Mac)	3
MAD 182 C	Cinematography	3
MAD 192 C	Great Directors of Cinema	3
MAD 197 C	Western Film Genre	3
MUS 127 C	Music in Film	3
THEA 230 C	Directing Actors for Film TV	2
Total Units		17

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1335

Digital Illustration Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C12358N

Financial Aid Eligible

The **Digital Illustration Certificate** provides the skills necessary to create vector and raster based digital drawings, paintings and illustrations. Emphasis is placed on development of a portfolio for employment and or advancement. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
ART 185 C	Beginning Life Drawing	3
ART 244 C	Illustration	3
MAD 100 C	Introduction to Media Arts Design	3
MAD 112 C	Digital Illustration (formerly Electronic Illustration-Mac)	3
MAD 114 C	Digital Illustration II	3
MAD 134 C	Digital Imaging (formerly Digital Imaging-Mac)	3
or MAD 204 C	Visual Development and Layout	
Total Units		18

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1273

Film, Television and Electronic Media Associate in Science Degree for Transfer (AS-T)

Division: Visual and Performing Arts

PROGRAM CODE: 1S37219

Financial Aid Eligible

The **Film, Television and Electronic Media Associate in Science Degree for Transfer (AS-T)** provides a foundation in the field of electronic media with emphasis on content creation using video recording and editing processes. This degree program encompasses video and audio production, editing, and motion graphic courses designed to prepare students for transfer to a four-year college for study in a film and electronic media major. This curriculum is designed to provide an opportunity for the Film, Television and Electronic Media major to achieve an Associate in Science Degree in Film, Television and Electronic Media Transfer (AS-T in Film, Television and Electronic Media) which completes the first- and second-year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended, completion of this curriculum will also demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Film, Television and Electronic Media or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center, and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses

that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Science for Transfer in Film, Television and Electronic Media 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. 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 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 with an AS-T in Film, Television and Electronic Media may pursue careers in Film, Television, and Electronic as well as careers in a variety of live action and multimedia industries, including Internet distribution and exhibition and careers in traditional media such as motion picture and television production. To earn an AS-T in Film, Television and Electronic Media, students must complete: (1) a minimum of 18 semester units or 27 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires a total of 18 units.

Code	Title	Units
Required Core Courses: Select two courses from the following (6 units):		6
MAD 111 C	Introduction to Media Writing	3
MAD 130 C	Intro to Electronic Media	3
MAD 131 C	Introduction to Media (formerly MM 105 C)	3
List A - Select between the Audio and Video courses (6 units):		6
MAD 188 C	Beginning Single Camera Production	3
or MAD 194 C	Beginning Motion Picture Production	
MUS 222 C	Audio Production for Film I	3
List B (3 units):		3
MAD 182 C	Cinematography	3
MAD 185 C	Documentary Film Production (formerly Documentary Digital Cinema)	3
List C (3 units):		3
MAD 107 C	Motion Design I (formerly Motion Graphics I)	3
MAD 108 C	Digital Video Production (formerly Digital Video Production I-Windows)	3
MAD 180 C	Video Editing (formerly Video Editing-Mac)	3
MAD 183 C	Preproduction for TV, Video and Film	3
MAD 184 C	Digital Video Explorations	3
Total Units		18

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1291

Graphic Design Associate in Arts Degree

Division: Visual and Performing Arts

PROGRAM CODE: 1A10448A

Financial Aid Eligible

Graphic design is the process of visual communication and problem-solving through the use of typography, photography, iconography and illustration. The field is considered a subset of visual communication and communication design, but sometimes the term "graphic design" is used synonymously. Students studying graphic design will create and combine symbols, images and text to form visual representations of ideas and messages. They use typography, visual arts, and page layout techniques to create visual compositions. Common applications of graphic design include corporate design (logos and branding), editorial design (magazines, newspapers and books), wayfinding or environmental design, advertising, web design, communication design, product packaging, and signage. The primary emphasis is to prepare the student for employment. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 33 units in addition to other general education requirements.

Code	Title	Units
Required Courses are listed in suggested sequence (27 units):		
MAD 122 C	History of Graphic Design	3
MAD 100 C	Introduction to Media Arts Design	3
MAD 116 C	Graphic Design I (formerly ART 140 C)	3
MAD 117 C	Graphic Design II (formerly MAD 144 C)	3
MAD 118 C	Graphic Design III (formerly ART 142 C)	3
MAD 102 C	Introduction to WEB Design (formerly Introduction to WEB Graphics-Mac)	3
or MAD 103 C	Exploring WEB Design (formerly Introduction to WEB Graphics-Windows)	
MAD 112 C	Digital Illustration (formerly Electronic Illustration-Mac)	3
MAD 134 C	Digital Imaging (formerly Digital Imaging-Mac)	3
MAD 201 C	3D Typography for Media Design	3
Elective Courses - Select one course from the following (3 units):		
MAD 107 C	Motion Design I (formerly Motion Graphics I)	3
MAD 180 C	Video Editing (formerly Video Editing-Mac)	3
MAD 207 C	Projection Design (formerly Projection Mapping for Live Entertainment)	3

MAD 193 C	Introduction to 2D Animation	3
ART 244 C	Illustration	3
PHOT 101 C	Introduction to Photography	3
Total Units		30

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including graphic design, motion design, typography, illustration and digital art necessary for employment in the graphic design industry.

OUTCOME 2: Acquire the knowledge and skills necessary to conceptualize ideas and to create digital design.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1707

Graphic Design Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C03815N

Financial Aid Eligible

The **Graphic Design Certificate** provides the skills necessary to create raster and vector based digital designs and illustrations. Emphasis is placed on development of a portfolio for employment and/or advancement. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 21 units

Code	Title	Units
Required Courses are listed in suggested sequence (18 units):		
MAD 122 C	History of Graphic Design	3
MAD 100 C	Introduction to Media Arts Design	3
MAD 116 C	Graphic Design I (formerly ART 140 C)	3
MAD 102 C	Introduction to WEB Design (formerly Introduction to WEB Graphics-Mac)	3
or MAD 103 C	Exploring WEB Design (formerly Introduction to WEB Graphics-Windows)	
MAD 112 C	Digital Illustration (formerly Electronic Illustration-Mac)	3
MAD 134 C	Digital Imaging (formerly Digital Imaging-Mac)	3
Electives Courses - Select three units from the following (3 units):		
ART 120 C	Two-Dimensional Design	3
MAD 107 C	Motion Design I (formerly Motion Graphics I)	3
MAD 131 C	Introduction to Media (formerly MM 105 C)	3
MAD 207 C	Projection Design (formerly Projection Mapping for Live Entertainment)	3
PHOT 101 C	Introduction to Photography	3
Total Units		21

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1274

Motion Design Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C37971

Financial Aid Eligible

The **Motion Design Certificate** provides production knowledge and skills used by digital artists to perform a variety of production duties in the graphic design, animation and live-action production fields. This certificate is a part of a sequence of certificates focused on providing essential skills for employment in the field of graphic design, animation, game art and live-action production. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 21 units.

Code	Title	Units
Required courses are listed in suggested sequence (21 units):		
MAD 107 C	Motion Design I (formerly Motion Graphics I)	3
MAD 187 C	Motion Design II (formerly Motion Graphics II)	3
MAD 201 C	3D Typography for Media Design	3
MAD 207 C	Projection Design (formerly Projection Mapping for Live Entertainment)	3
MAD 116 C	Graphic Design I (formerly ART 140 C)	3
MAD 104 C	Introduction to 3D (formerly Introduction to 3D Graphics-Mac)	3
MAD 193 C or MAD 180 C or MAD 106 C or PHOT 101 C	Introduction to 2D Animation Video Editing (formerly Video Editing-Mac) Editing for Social Media Introduction to Photography	3
Total Units		21

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including motion design, projection design, typography, animation and digital art necessary for employment in the motion design industry.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1706

Post Production Basics for Cinema & Video Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C31200N

Financial Aid Eligible

The **Post Production Basics for Cinema and Video Certificate** will teach students to use computer hardware and software to add sound and music to an existing video recording or digital film. In addition, it will teach students how to edit video and combine live action and animated content with visual effects. To earn a certificate, complete the required courses as

listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (16 units):		
MAD 107 C	Motion Design I (formerly Motion Graphics I)	3
MAD 176 C	Digital Design Studio I (formerly MAD 199 C)	1
MAD 180 C	Video Editing (formerly Video Editing-Mac)	3
MAD 195 C	Science Fiction Film Genre	3
MUS 222 C	Audio Production for Film I	3
MUS 223 C	Audio Production for Film II	3
Total Units		16

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1333

Storyboarding Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C37958N

Financial Aid Eligible

The **Storyboarding Certificate** provides production knowledge and skills used by digital artists to perform a variety of production duties in the live-action and animation areas of motion picture and time-based media creation. This certificate is a part of a sequence of certificates focused on providing essential skills for employment in the field of animation, game art and live-action production. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required courses are listed in suggested sequence (18 units):		
ART 185 C	Beginning Life Drawing	3
ART 182 C	Beginning Drawing	3
MAD 200 C	Storyboarding, Comics, Previz (formerly Storyboard, Comics, Pre Visual)	3
MAD 120 C or MAD 104 C	Beginning 3D Introduction to 3D (formerly Introduction to 3D Graphics-Mac)	3
MAD 210 C	3D Storyboarding and Layout	3
MAD 180 C	Video Editing (formerly Video Editing-Mac)	3
Total Units		18

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1276

Merchandising

Division: Business and Computer Information Systems

Division Dean

Dr. Treisa Cassens

Faculty

Jeannie Jo
Kathleen Troy

Counselor

Robert Grantham

Merchandising Transfer Program

Refer to Catalog under:

Business Administration Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Merchandising Associate in Science Degree
- Merchandising Certificate

Merchandising Associate in Science Degree

Division: Business and Computer Information Systems

PROGRAM CODE: 1C07814

Financial Aid Eligible

The **Merchandising Associate in Science Degree** is designed to prepare students for careers in merchandising and retailing, learning the necessary techniques to display and sell merchandise, satisfy customers and enhance business profitability. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires 21 units in the major, in addition to other degree requirements.

Code	Title	Units
Required courses are listed in suggested sequence: (21 units)		
BUS 100 C	Introduction to Business	3
BUS 210 C	Consumer Behavior	3
BUS 103 C	Principles of Advertising	3
BUS 208 C	Principles of Selling	3
BUS 222 C	Principles of Marketing	3

BUS 105 C	Principles of Retailing	3
BUS 266 C	Human Relations in Business	3
Total Units		21

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1433

Merchandising Certificate

Division: Business and Computer Information Systems

PROGRAM CODE: 1C21099

Financial Aid Eligible

The **Merchandising Certificate** primary emphasis is to prepare the student to work in the merchandising and retailing field with a focus on building positive customer relationships. To earn a certificate, students must complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 21 units.

Code	Title	Units
Required Courses are listed in suggested sequence (21 units):		
BUS 100 C	Introduction to Business	3
BUS 208 C	Principles of Selling	3
BUS 105 C	Principles of Retailing	3
BUS 210 C	Consumer Behavior	3
BUS 222 C	Principles of Marketing	3
BUS 103 C	Principles of Advertising	3
BUS 266 C	Human Relations in Business	3
Total Units		21

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1434

Mortuary Science

Division: Health Science

Division Dean

Colin Preston

Faculty

Lori Collins
Damon de la Cruz
Jolena Grande

Counselors

Kelly Carter
Marisa Lehmeier
Denise Vo

Learning Outcomes:

Upon completion of an accredited program, students will be able to:

1. Explain the importance of funeral service professionals in developing relationships with the families and communities they serve.
2. Identify standards of ethical conduct in funeral service practice.

- Interpret how federal, state, and local laws apply to funeral service in order to ensure compliance.
- Apply principles of public health and safety in the handling and preparation of human remains.
- Demonstrate technical skills in embalming and restorative art that are necessary for the preparation and handling of human remains.
- Demonstrate skills required for conducting arrangement conferences, visitations, services, and ceremonies.
- Describe the requirements and procedures for burial, cremation, and other accepted forms of final disposition of human remains.
- Describe methods to address the grief-related needs of the bereaved.
- Explain management skills associated with operating a funeral establishment.
- Demonstrate verbal and written communication skills and research skills needed for funeral service practice.

Mortuary Science Program Aims

The Mortuary Science Program at Cypress College has as its central aim recognition of the importance of funeral service personnel as:

- Members of a human services profession;
- Members of the community in which they serve;
- Participants in the relationship between bereaved families and those engaged in the funeral service profession;
- Professionals knowledgeable of and compliant with federal, state, provincial/territorial and local regulatory guidelines in the geographic area where they practice; as well as
- Professionals sensitive to the responsibility for public health, safety and welfare in caring for human remains.

Mortuary Science Program Objectives

- To enlarge the background and knowledge of students about the funeral service profession;
- To educate students in every phase of funeral service, and to help enable them to develop the proficiency and skills necessary in the profession, as defined in the Preamble at the beginning of Chapter 9 of the Manual on Accreditation;
- To educate students concerning the responsibilities of the funeral service profession to the community at large;
- To emphasize high standards of ethical conduct;
- To provide a curriculum at the post-secondary level of instruction;
- To encourage student and faculty research in the field of funeral service; and
- To qualify students for professional licensure examinations.

Minimum Standards to Apply

- Eligibility for admission to Cypress College.
- Official High school transcripts, a GED test with a minimum score of 450 on the five-test battery, or high school proficiency examination.
- Present evidence of good physical and mental health.
- Completion of College Writing (ENGL C1000 or ENGL 101C, ESL110 C) with the grade of C or better, or in progress.
- Completion of college BIOL 210 C Anatomy and Physiology or BIOL 231 C General Human Anatomy with a grade of C or better within the most recent 5 year time period prior to program application, or in progress.

- Completion of/or in-progress of MATH 100 C, or 110 C, or 115 C, or 115PC, or 120 C, or 120PC, or 130 C, or 130-PC, or 141 C, or 141PC, or 142 C, or 150 with a grade of C or better.
- A minimum GPA of 2.0 in all college courses attempted.

Application Procedures

- In addition to the Cypress College application form, a separate application is required for admission into the Mortuary Science Program. Applications must be completed **online**. Please see the **Health Science Application link** on the Mortuary Science home page.
- A total of 25 new students are selected for each cohort. Applicants may exceed the available seat space.
- Applicants are responsible for submitting all official transcripts to Admissions and Records
- All Official transcripts are required (high school and college).

Selection Procedures

Students will be selected using a point system based on the number of general education/graduation courses completed at the time of application. Selection of students for acceptance is based on the **date** of completed application which includes submission of **all** transcripts and required documents.

Mortuary Science Program Accreditation Statement

The Mortuary Science Program at Cypress College is accredited by the American Board of Funeral Service Education (ABFSE) 992 Mantua Pike, Suite 108, Woodbury Heights, NJ 08097 (816) 233-3747. Website: www.abfse.org; Scholarship and general program information can be found on the ABFSE website. National Board Examination pass rates, graduation rates, and employment rates for this and other ABFSE-accredited programs are available at www.abfse.org in the Directory of Accredited Programs.

The National Board Examination is written and governed by: International Conference of Funeral Service Examining Boards, Inc. (ICFSEB)
1885 Shelby Lane. Fayetteville, AR 73704
(479) 442-7076 - www.theconferenceonline.org

Study guide and preparatory information can be found on the ICFSEB website. National Board Examination pass rates, graduation rates, (beginning in 2015) and employment rates (beginning in 2015) for this and other ABFSE-accredited programs are available at www.abfse.org.

To request a printed copy of this program's pass rates and rates, go to the Mortuary Science Office, Room 215, Technical Education III Building – Health Science Division or by e-mail at mortsci@CypressCollege.edu or by telephone (714) 484-7278.

Program Information

Year	No. of New Students	No. of Grads	Timely Grad ¹	Percent Employed	Left Before Completion ²
2018	66	46	42/46	83%	13
2017	59	27	20/27	78%	23
2016	55	29	22/29	90%	9
2015	64	43	35/43	90	9
2014	38	30	23/30	100	7

¹ Timely graduation = complete program in 1½ times designated program length.

² Left before completing the program; did not finish.

National Board Statistics

3-Year Avg	% Pass Arts	% Pass Sciences
2016-2018	89%	94%
2015-2017	92%	95%
2014-2016	95%	95%

Most Recent	# Takers	# Passed
2018 Arts	46	41
2018 Sciences	46	42

National Board Examination - Arts

Year	No. of Takers	No. Who Passed	Percent Who Passed
2018	46	41	89%
2017	28	24	86%
2016	29	27	93%
2015	40	38	95%
2014	28	27	96%

National Board Examination - Sciences

Year	No. of Takers	No. Who Passed	Percent Who Passed
2018	46	42	91%
2017	28	27	96%
2016	29	28	96%
2015	40	37	93%
2014	28	27	96%

- Funeral Service Bachelor of Science Degree
- Mortuary Science Associate in Science Degree

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Health Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

A student who completes the Mortuary Science program will be able to:

- Enlarge the background and knowledge of students desiring to enter the funeral service profession.

- Educate students in every phase of funeral service, and to help them to develop proficiency and skills necessary for the profession.
- Educate students concerning the responsibilities of the funeral service profession to the community at large.
- Emphasize high standards of ethical conduct.
- Provide a curriculum at the post-secondary level of instruction.
- Encourage student and faculty research in the field of funeral service.
- Qualify students for professional licensure examination.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Mortuary Science Associate in Science Degree

Division: Health Science

PROGRAM CODE: 1S03791

Financial Aid Eligible

This program is a course of study designed for students who wish to prepare for a career and employment as an embalmer/funeral director in a mortuary and to prepare the student for state licensure where statutory law requires successful completion of the Associate in Science Degree in Mortuary Science and compliance with statutory pre-mortuary science educational requirements. The Mortuary Science degree program at Cypress College is accredited by the American Board of Funeral Service Education (ABFSE), 992 Mantua Pike, Suite 108, Woodbury Heights, NJ 08097, (816) 233-3747, www.abfse.org and meets the mortuary science or funeral service educational requirements for most states. The ABFSE is an agency recognized by the U.S. Department of Education. Scholarship and general program information can be found on the ABFSE's website. The National Board Examination is written and governed by the International Conference of Funeral Service Examining Boards, Inc. (ICFSEB), Fayetteville, AR, 73707 (888) 222-2737, www.theconferenceonline.org; Study guide and preparatory information can be found on the Conference's website. Eligibility to write the licensure examination in some states may be contingent upon compliance with additional statutory requirements. Please consult the department for more specific information, or, for further information, contact a Health Science Counselor (714) 484-7270. To earn the Associate in Science Degree in Mortuary Science, students must complete: (1) all major course requirements with a minimum grade of "C"; (2) Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; (3) take the National Board Examination (students need to submit National Board Examination results to Admissions and Records for the semester the student is applying); (4) the cultural diversity and reading requirements; (5) any elective courses to complete a minimum of 60 units; and, (6) have a minimum GPA of 2.0 in all college level courses attempted and at least 50% of all major course work must be completed at Cypress College. To be eligible to write the National Board Examination, the

student must be completing the Associate in Science Degree in Mortuary Science. National Board Examination (NBE) pass rates, graduation rates and employment rates for this and other ABFSE-accredited programs are available at www.abfse.org. To request a printed copy of this program's rates, go the Mortuary Science Department Office, TE 3 Building, Room 215 or you may visit the Mortuary Science Department website to make the request. www.cypresscollege.edu/ms. Or you may email the Mortuary Science Department (mortsci@cypresscollege.edu) or call the Mortuary Science Department at (714) 484-7278.

Code	Title	Units
Prerequisites (12-13 units)		
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
BIOL 210 C or BIOL 231 C	Anatomy and Physiology General Human Anatomy	4-5
STAT C1000 or MATH 120PC	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics) Introduction to Probability and Statistics	4
Total Units		12-13

Code	Title	Units
SEMESTER 1 (18 UNITS)		
MORT 201 C	Funeral Directing	5
MORT 202 C	Funeral Service Administration I	4
MORT 203 C	Methods of Disposition	4
MORT 214 C	Funeral Service Pathology & Microbiology	3
SEMESTER 2 (19 Units)		
MORT 204 C	Funeral Service Administration II	4
MORT 215 C	Embalming	5
MORT 234 C	Funeral Services Ethics and Laws I	4
MORT 248 C	Funeral Service Thanatology	6
SEMESTER 3 (13 Units)		
MORT 216 C	Restorative Art	5
MORT 236 C	Funeral Service Ethics and Laws II	4
MORT 288 C	Funeral Service Capstone (formerly MORT 297 C)	4
Total Units		48

Winter Intercession - Optional (5-16 Units): MORT 085C and MORT 281C

Summer Session - Optional (5-16 Units): MORT 085C and MORT 281C

Outcome 1: Explain the importance of funeral service professionals in developing relationships with the families and communities they serve

Outcome 2: Identify standards of ethical conduct in funeral service practice.

Outcome 3: Interpret how federal, state, and local laws apply to funeral service in order to ensure compliance.

Outcome 4: Apply principles of public health and safety in the handling and preparation of human remains.

Outcome 5: Demonstrate technical skills in embalming and restorative art that are necessary for the preparation and handling of human remains.

Outcome 6: Demonstrate skills required for conducting arrangement conferences, visitations, services, and ceremonies.

Outcome 7: Describe the requirements and procedures for burial, cremation, and other accepted forms of final disposition of human remains.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=937

AIMS OF PROGRAM

The Mortuary Science Program at Cypress College has as its central aim recognition of the importance of funeral service personnel as:

1. members of a human services profession,
2. members of the community in which they serve,
3. participants in the relationship between bereaved families and those engaged in the funeral service profession,
4. professionals knowledgeable of and compliant with federal, state, and local regulatory guidelines, as well as
5. professionals sensitive to the responsibility for public health, safety and welfare in caring for human remains.

PROGRAM OBJECTIVES

1. To enlarge the background and knowledge of students about the funeral service profession.
2. To educate students in every phase of funeral service, and to help them to develop proficiency and skills necessary for the profession, as defined in the Preamble at the beginning of Chapter 9 of the Manual on Accreditation.
3. To educate students concerning the responsibilities of the funeral service profession to the community at large.
4. To emphasize high standards of ethical conduct.
5. To provide a curriculum at the post secondary level of instruction.
6. To encourage student and faculty research in the field of funeral service; and,
7. To qualify students for professional licensure examinations.

MINIMUM STANDARDS FOR APPLICANTS

1. Eligibility for admission to Cypress College.
2. Official High school transcript, GED test with an average score of 450 on the five-test battery, or high school proficiency examination.
3. Present evidence of good physical and mental health.
4. Completion of College Writing (ENGL 100 C) with a grade of C or better.
5. Completion of college Anatomy and Physiology (BIOL 210 C) or General Human Anatomy (BIOL 231 C) with a grade of C or better within the most recent 5 year time period prior to program application.
6. Completion of Intermediate Algebra (MATH 40 C) or higher with a grade of C or better.
7. A minimum GPA of 2.0 in all college courses attempted.

APPLICATION PROCEDURES

1. In addition to the Cypress College application form, a separate application is required for admission into the Mortuary Science Program. Applications must be completed online. Please see the Health Science Application link on the Mortuary Science home page.
2. A total of 30 new students are selected each spring and fall semester. Applicants may exceed the available seat space.

- Applicants must submit signature page in person or by US mail. Please bring photo ID; Official high school transcripts, GED or high School Proficiency sent directly from the institution you attended; Official college transcripts (except Cypress and Fullerton Colleges) sent directly from the institution you attended.
- All Official transcripts are required (high school and college)

SELECTION PROCEDURES

Students will be selected using a point system based on the number of general education/graduation courses completed at the time of application and the date of completed application.

The **Associate in Science Degree in Mortuary Science** program is a course of study designed for students who wish to prepare for a career and employment as an embalmer/funeral director in a mortuary and to prepare the student for state licensure where statutory law requires successful completion of the Associate in Science Degree in Mortuary Science and compliance with statutory pre-mortuary science educational requirements.

The Mortuary Science degree program at Cypress College is accredited by the American Board of Funeral Service Education (ABFSE), 992 Mantua Pike, Suite 108, Woodbury Heights, NJ 08097, (816) 233-3747, www.abfse.org and meets the mortuary science or funeral service educational requirements for most states. The ABFSE is an agency recognized by the U.S. Department of Education. Scholarship and general program information can be found on the ABFSE's website. The National Board Examination is written and governed by the International Conference of Funeral Service Examining Boards, Inc. (ICFSEB), Fayetteville, AR, 73707 (888) 222-2737, www.theconferenceonline.org; Study guide and preparatory information can be found on the Conference's website. Eligibility to write the licensure examination in some states may be contingent upon compliance with additional statutory requirements. Please consult the department for more specific information, or, for further information, contact a Health Science Counselor (714) 484-7270.

To earn the Associate in Science Degree in Mortuary Science, students must complete:

- all major course requirements with a grade of C or better;
- Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements;
- take the National Board Examination (students need to submit National Board Examination results to Admissions and Records for the semester the student is applying);
- the cultural diversity and reading requirements;
- any elective courses to complete a minimum of 60 units; and,
- have a minimum GPA of 2.0 in all college level courses attempted and at least 50% of all major course work must be completed at Cypress College.

Funeral Service Bachelor of Science Degree

Division: Health Science

PROGRAM CODE: 1B34011

Financial Aid Eligible

The **Bachelor in Science Degree in Funeral Service** is an accredited course of study in funeral service education designed for students who wish to advance their career and employment opportunities as a funeral service practitioner and to prepare the student for state licensure where statutory law requires successful completion of the Bachelor in Science Degree in Funeral Service in order to practice. To earn the Bachelor in Science Degree in Funeral Service, students must complete: (1) requirements for Associate in Science Mortuary Science degree or equivalent (2) all upper division major course requirements with a minimum grade of "C"; (3) 37 units of IGETC lower division general education coursework or 39 units CSU GE Breadth lower division general education coursework, or previously awarded baccalaureate degree from a CSU; (4) a minimum of 9 units of Upper Division General Education Graduation Requirements; (5) the cultural diversity requirement; (6) any elective courses to complete a minimum of 120 units; and, (7) have a minimum GPA of 2.0 in all college level courses attempted and at least 24 units of upper division course work must be completed at Cypress College (residency requirement). Total degree units are 120-131 units.

Prerequisites:

- Associate Degree from ABFSE-Accredited Funeral Service/Mortuary Science Program (41-50 units in the major)
- Acceptance into Baccalaureate degree
- Embalmer License
- Funeral Director License **OR** Funeral Service Practitioner certification

Code	Title	Units
Required Upper Division Major Courses (32 units)		
<i>(12 units will be from MORT 497 C and MORT 498 C)</i>		
MORT 402 C	Funeral Service Standards of Practice	3
MORT 430 C	Cemetery and Crematory Operations	3
MORT 450 C	Issues and Trends in Funeral Service	3
MORT 482 C	Clinical Embalming	4
MORT 492 C	Funeral Service Externship	4
MORT 495 C	Mortuary Jurisprudence	3
MORT 497 C & MORT 498 C	Funeral Service Practicum I and Funeral Service Practicum II	12
Upper Division General Education Courses (9 units minimum):		9-10
ANTH 308 C	Anthropology of Death for Mortuary Science	3
COMM 340 C	Communication for Health Sciences	3
ENGL 310 C	Advanced Writing in the Health Sciences	4
HS 361 C	Dying and Death and Grief and Mourning	3
PHIL 400 C	Business Ethics	3
<i>Students can take any upper division general education courses. One needs to emphasize communication, computation or composition.</i>		
Total Units		41-42

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1040

Music

Division: Visual and Performing Arts

Division Dean

Dr. Kellori Dower

Faculty

Gary Gopar
Marcus McMillan

Counselors

Renay Laguana-Ferinac
Renee Ssensalo

Course Repeatability Limitations

Effective 2013, most active participatory courses in Art, Dance, Theater, Music, and Physical Education are no longer repeatable. The courses in the table below are related in content and therefore have been identified in distinct “family” groupings in which students are limited to a maximum of 4 course enrollments per family (withdrawals and substandard grades will be counted towards the 4 enrollment maximum). Note: Exceptions for courses still designated as repeatable are indicated in course descriptions of the college catalog and class schedules with the statement, “May be taken for credit ____ times.” If students are majoring in any of these disciplines, they are advised to see their counselor to discuss options.

Discipline	Family/Related Courses	Courses Related in Content
Music	Jazz Voice	MUS 157 C, MUS 229 C
	Classical Instrumental	MUS 130 C, MUS 131 C, MUS 143 C, MUS 146 C
Applied Music	Applied Piano	MUSA 130 C, MUSA 238 C
	Applied Keyboard	MUSA 131 C, MUSA 132 C, MUSA 231 C, MUSA 232 C
	Applied Concert	MUSA 104 C, MUSA 105 C, MUSA 106 C, MUSA 107 C
	Applied Voice (Classical)	MUSA 111 C, MUSA 112 C, MUSA 210 C
	Applied Guitar	MUSA 120 C, MUSA 121 C, MUSA 221 C
Music Exceptions	Courses Maintaining Repeatability CSU, UC, Required courses 1 Plus 3 Repeats	MUS 225 C, Music Ensemble Courses: MUS 163 C, MUS 175 C, MUS 260 C, MUS 261 C, MUS 273 C, MUS 274 C, MUS 276 C, MUS 279 C, MUS 280 C, MUS 281 C, MUS 282 C, MUS 283 C, MUS 285 C, MUS 287 C

of courses grouped within a family. All enrollments in courses (including enrollments in the same repeatable course) within a family count toward the maximum enrollment limitation of four (4) semester enrollments. This includes evaluative (A, B, C, D, F, P, NP) and non-evaluative (I, IP, RD, and W) grades earned. All letter grades received will be counted in GPA.

Music Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Patrons of the Arts

The Cypress College Patrons of the Arts is a non-profit, tax-exempt organization that functions under the auspices of the Cypress College Foundation. It was founded in 1975 to encourage community participation in the college's visual & performing arts programs and exhibits, foster cultural, visual, and performing arts activities at the college, and to raise funds to provide scholarships to talented students in the fields of:

**Art
Dance
Journalism
Media Arts Design1
Music
Photography
Theatre**

Please contact the Cypress College Patrons of the Arts at tchevalier@CypressCollege.edu or (714) 484-7139 for further information.

- Music Associate in Arts Degree
- Music Associate in Arts Degree for Transfer (AA-T)
- Music Teacher Technology Certificate
- Recording Arts Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts.

¹ Students are limited to four (4) semester enrollments – in Active Participatory courses – whether in a single course or in a combination

Given a variety of music materials and subject matter, students will be able to:

- Critically analyze the content and creation through composition, process, and music historical context.
- Discuss the content and creation of music, through composition, process, and music historical context.
- Identify the content and creation through composition, process, and music historical context.
- Personalize the social and psychological aspects of the content and creation through composition, process and music historical context.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Music Associate in Arts Degree for Transfer (AA-T)

Division: Visual and Performing Arts

PROGRAM CODE: 1A32134

Financial Aid Eligible

The **Music Associate in Arts Degree for Transfer** (AA-T in Music) is designed to provide an opportunity for the Music major to achieve an Associate in Arts in Music for Transfer (AA-T in Music) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Music or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. The

completion of this curriculum will demonstrate commitment to the Music field and provide comprehensive preparation for upper-division work. To earn an AA-T in Music students must complete the following requirements: (1) a minimum of 24 semester units or 36 quarter units in the Music major with a minimum grade of "C"; . AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core Courses (24 units):		
MUS 103 C	Theory I	3
MUS 104 C	Musicianship I	1
MUS 105 C	Theory II	3
MUS 106 C	Musicianship II	1
MUS 203 C	Theory III	3
MUS 204 C	Musicianship III	1
MUS 205 C	Theory IV	3
MUS 206 C	Musicianship IV	1
MUS 225 C	Applied Music	1
Students must enroll 4 times, once each semester in MUS 225 C.		4
Students will be required to participate in an Ensemble each semester for 4 semesters (4 units):		4
MUS 175 C	Swing Band	1
MUS 273 C	Concert Band	1
MUS 276 C	Jazz Band	1
MUS 280 C	Jazz and Musical Theater Choir	1
MUS 282 C	Cypress Masterworks Chorale	1
MUS 283 C	Cypress Singers	1
MUS 285 C	Chamber Singers	1
MUS 287 C	Vocal Jazz Ensemble	1
Total Units		24

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=961

Music Associate in Arts Degree

Division: Visual and Performing Arts

PROGRAM CODE: 1A03777

Financial Aid Eligible

The **Music Associate in Arts Degree** is designed to prepare the student for a career as a professional musician. This curriculum includes music history and theory, as well as applied instruction and performance experience on his or her particular instrument. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Required Courses are listed in suggested sequence (23 units):		
(Students must enroll 4 times, once each semester in MUS 225 C)		3
MUS 103 C	Theory I	3
MUS 104 C	Musicianship I	1
MUS 105 C	Theory II	3
MUS 106 C	Musicianship II	1
MUS 108 C	Introduction to Music Technology	3
MUS 120 C	Survey of Music History	3
or MUS 116 C	Music Appreciation	
MUSA 104 C	Introduction to Concert Hour	1
MUSA 105 C	Beginning Concert Hour	1
MUSA 106 C	Intermediate Concert Hour	1
MUSA 107 C	Advanced Concert Hour	1
MUSA 131 C	Keyboard Skills I	1
MUSA 132 C	Keyboard Skills II	1
MUSA 231 C	Keyboard Skills III	1
MUSA 232 C	Keyboard Skills IV	1
MUS 225 C	Applied Music	1
Select a maximum of 1 unit each semester from the following Performing Ensembles (4 units):		4
MUS 175 C	Swing Band	1
MUS 260 C	Classical Guitar Ensemble	1
MUS 261 C	String Ensemble	1
MUS 273 C	Concert Band	1
MUS 276 C	Jazz Band	1
MUS 280 C	Jazz and Musical Theater Choir	1
MUS 281 C	Concert Choir	1
MUS 282 C	Cypress Masterworks Chorale	1
MUS 283 C	Cypress Singers	1
MUS 285 C	Chamber Singers	1
MUS 287 C	Vocal Jazz Ensemble	1
Total Units		30

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=960

Music Teacher Technology Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C40744N
Financial Aid Eligible

The **Music Teacher Technology Certificate** is designed to offer the skills needed in order to effectively use commercial music technology in a classroom. Course work includes, recording techniques, digital audio workstations, and music notation software.

Code	Title	Units
Required Courses (16-17 units):		
MUS 108 C	Introduction to Music Technology	3
MUS 299 C	Music - Independent Study	1-2
MUSA 140 C	Music Notation Software I	3
MUSA 141 C	Electronic Music Production I	3

MUSA 143 C	Recording Studio Tech I	3
MUSA 145 C	Audio Production for Gaming I	3
or MUSA 241 C	Electronic Music Production II	
or MUSA 243 C	Recording Studio Techniques II	
Total Units		16-17

Program Student Learning Outcomes:

OUTCOME 1: The goal of the Music Teacher Technology Certificate is to offer teachers the skills needed in order to effectively use commercial music technology in a classroom or private teaching environment. Course work includes 3 industry certifications from leading music software developer, Avid. These certifications include Digital Audio Workstation Techniques (Pro Tools), Video Game Audio (Pro Tools), and Music Notation Software (Sibelius).

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1017

Recording Arts Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C12958M

The **Recording Arts Certificate** program was developed for prospective record producers, recording engineers, and songwriters, giving them an insider's look at the way music is recorded today. Students will gain hands-on experience in "state of the art" facilities. To earn a certificate, complete the required courses as listed with a minimum grade of "C". At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required Courses (15 units):		
MUS 101 C	Music Fundamentals	3
MUS 108 C	Introduction to Music Technology	3
MUS 124 C	Recording Studio I	3
MUS 176 C	Popular Songwriting	3
or MUS 177 C	Songwriting Workshop	
MUS 222 C	Audio Production for Film I	3
Total Units		15

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=475

Registered Nursing Program for Licensed Vocational Nurses, Licensed Psychiatric Technicians, and Military Experience to RN

Division: Health Science

Division Dean

Colin Preston, Interim

Faculty

Beena Eapen
Michael Faraci
Jen Galich
Christine Hoang
Shinah Kim
Patricia "Rose" Kirby
Sally McNay
Ryan Ortega
Thu Pham
Elizabeth Putman
Jane Walker
Marredda Williams

Director of Nursing

Dr. Colleen Peralta

Counselors

Kelly Carter
Marisa Lehmeier
Denise Vo

Accredited by: (ACEN formerly NLNAC)
Accreditation Commission for Education in Nursing, Inc.
3390 Peachtree NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000
Fax (404) 975-5020

Mission Statement

The Registered Nursing Program provides student-centered education, preparing graduates to practice as caring registered nurses providing safe, quality, patient-centered care with a foundation for lifelong learning.

Philosophy Statement

The Cypress College nursing faculty ascribes to the core competencies for nursing and nursing education identified by the Quality and Safety Education for Nurses (QSEN) project. While firmly based in science and the arts, the essence of nursing is caring and compassionate patient centered care. Ethical standards, respect for individual dignity, and consideration of cultural context are implicit in the practice of patient-centered care. The nurse advocates for patients and families in ways that promote self-determination, integrity, and ongoing growth as human beings. Nursing care is provided in collaboration with the patient, the family and members of the health care team. The nurse displays a spirit of inquiry by examining evidence to improve quality of care, promote safety and improve patient outcomes. Nursing judgment is integral to making competent decisions related to the provision of safe and effective nursing care. In order to make informed clinical decisions, the nurse must have a firm foundation in and understanding of the concepts of oxygenation, regulation and movement. Information essential to nursing care is communicated via a variety of technological and human means. The adoption of these key philosophical components fosters the development of the nurse's professional identity.

Teaching and Learning

The nursing faculty believes that learning is a dynamic process which results in behavioral changes. Learning occurs throughout the life cycle

and can aid in maximization of any individual's potentials. The individual student's potentials are developed through use of the nursing process, a professional proactive approach to problem-solving. The curriculum provides opportunities for facilitating learning based on individual styles of learning. Self-motivation and active participation are necessary components of the learning process for adult learners. Nursing students must also participate in the classroom and clinical settings.

The curriculum is organized from simple to complex concepts which are as identified in each course outline. Multiple methods of instruction are utilized to address the content being studied, to enhance learning, and to provide for individual differences in both teaching and learning styles. The structure and content of each course is designed to support the department's philosophy of nursing education. The student is recognized as an individual who moves toward goals of self-realization and fulfillment.

Role of the Teacher and Student

The role of the teacher is to identify the learning needs of the student and to facilitate the student's optimal level of learning achievement. A systematic approach is utilized to assist the student in assessment of learning needs, development of learning goals, selection and implementation of learning methods and strategies, and evaluation of outcomes. Differences in individual needs, learning styles, ethnicity and cultural background are essential considerations in effective teacher-student relationships.

Nursing and Personal Responsibility for Health Promotion Practices

The Cypress College nursing faculty recognizes the value of high-level wellness and supports the concept of the nurse being a positive role model for health practices. The entering student needs to be aware of his/her health-promoting behaviors in the area of general health (i.e., rest and sleep, nutrition, therapeutic recreation). The student should avoid behaviors detrimental to health.

Special Requirements, Equipment and Expenses Incurred By Nursing Students Upon Enrollment in the Nursing Program

This information is intended to assist those who are planning enrollment in the registered nursing program prepared for educational expenses. In addition to enrollment fees PAYABLE AT REGISTRATION, the nursing student incurs additional expenses. The nursing student should anticipate an expenditure of approximately \$7,000 over the two years of enrollment in nursing program courses.

Clinical practice sites are located throughout Orange and Los Angeles counties. Clinical rotations may be scheduled for day and evening shifts in order to provide learning opportunities. The student will need reliable personal transportation in order to travel to assigned hospitals up to two days a week in each nursing course.

The nature of the learning experiences in the registered nursing program requires that students engage in direct patient care in assigned clinical facilities. All enrolled students are required to meet the same health and

safety standards required of nurses in the contracted clinical facilities. For this reason each student enrolled in the nursing program must complete the following requirements at his/her own expense prior to the first day of attendance:

1. **Physical examination with health clearance indicating good physical and mental health status with no limitations to providing safe direct patient care.**
2. Proof of current immunizations or immunity by titer.
3. Testing for communicable diseases including, but not limited to, the following: Tuberculosis, rubella, rubeola, varicella, hepatitis.
4. Malpractice insurance and personal health insurance.
5. Current CPR certification at the Professional Health Provider level.
6. Criminal background checks and urine testing.

In addition, the student will need to purchase required uniforms, watch with sweep second hand, name badge, stethoscope, and other equipment required for clinical practice.

Information regarding the specific requirements in place at the time of initial enrollment into nursing clinical courses is provided at a mandatory orientation meeting scheduled for applicants selected each semester.

- 30 Unit Non-Degree Option Career Mobility Licensed Vocational Nurse to Non-Degree Registered Nurse Certificate
- Registered Nursing Associate in Science Degree

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

Nursing

The graduate of the Cypress College Nursing Program will be competent when he/she consistently provides safe, quality, patient centered care. The graduate uses sound nursing judgment and best practices to meet patient care needs for oxygenation, regulation and movement across the lifespan. The graduate nurse demonstrates advocacy for patients/families in a coordinated manner using open interprofessional communication while maintaining mutual respect and shared decision-making to achieve safe quality patient outcomes. The graduate uses evidence to make decisions and promotes quality improvement. The professional nurse uses information and technology to support decision-making and effective communication while demonstrating professionalism.

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1- Health Sciences.

A student who completes the Nursing Program will be able to:

- Acquire knowledge, skills, and competencies necessary for employment.

Graduate Outcomes (Competencies)

1. Employ practices to ensure safety of patients and improve outcomes of care. (*Safety*)

2. Advocate for patients, recognizing the patient or designee as the source of control and as full partner in providing compassionate and coordinated care based on respect for patient's preferences, values, and needs. (*Patient Centered Care*)
3. Collaborate effectively within nursing and inter-professional teams, fostering open communication, mutual respect, and shared decision-making to achieve safe, quality patient care in a variety of health care settings. (*Teamwork and Collaboration*)
4. Use nursing judgment based on best current evidence to provide safe care for patients and families across the lifespan. (*Evidence-Based Practice*)
5. Apply principles of quality improvement to monitor the outcomes of care and minimize risk of harm to patients and providers. (*Quality Improvement*)
6. Use information and technology to communicate, document care, minimize error, and support decision making. (*Informatics*)
7. Utilize best practices and sound nursing judgment to address oxygenation issues, maintain regulation, and guide movement in patients across the lifespan. (*Oxygenation, Regulation, Movement*)
8. Demonstrate professionalism in the implementation of the role of the registered nurse. (*Professionalism*)

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Registered Nursing Program for Licensed Vocational Nurses Licensed Psychiatric Technicians, and Military Experience to RN

The Registered Nursing Program provides an opportunity for Licensed Vocational Nurses, Licensed Psychiatric Technicians, and those with military healthcare experience to complete the Registered Nursing curriculum.

The individual completing the Registered Nursing Program and general education requirements will receive an Associate Degree in Nursing and is eligible to take the National Council Licensing Examination (NCLEX) as a graduate of Cypress College Registered Nursing Program. Cypress College. Many of our graduates continue on to an upper division program of study specifically designed for registered nurses leading to a Bachelor or Master of Science in Nursing.

The LVN 30-Unit Option non-degree RN Program does not lead to an Associate Degree in Nursing. This non-graduate status entitles the candidate to take the NCLEX-RN for licensure as a registered nurse only in California. This permanent non-graduate status may hinder employment and further educational opportunities and prohibit endorsement as a registered nurse in other states. (See catalog and Health Science Counselor)

The Department of Nursing articulates with most colleges and universities, which means they accept lower division work from Cypress College. Many

of our graduates continue on to an upper division program of study specifically designed for registered nurses leading to a Bachelor or Master of Science in Nursing.

The Nursing program is approved by the California State Board of Registered Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN formerly the NLNAC).

CYPRESS COLLEGE CAREER MOBILITY PROGRAM

A. MINIMUM STANDARDS TO APPLY

1. Apply to Cypress College to obtain a Cypress College student ID#. The email address used on the Cypress College application will be used within your Health Science Application and for all Career Mobility email interactions between the college faculty and staff, clinical sites, and any other program related email interactions.
2. High School graduation or passing of the General Education Development (GED) or high school proficiency test by the start of the program or an Associate degree or higher from a regionally accredited college/university.
3. Possess an unencumbered, current California LVN or PT license, and must have at least 6 months fulltime experience or one year of part-time experience, within the last 3 years at the time of application.
4. Total college grade point average (GPA) of 2.5 or better.
5. Program Prerequisites must be completed with a grade of "C" or better:
 - a. **English 100C/ English 101C/ESL 110C** - College Writing (4 units) or a comparable course.
 - b. **Biology 231 C** - General Human Anatomy (4 units) or a comparable course with lab. Must be taken within 7 years of application.
 - c. **Biology 241C** - General Human Physiology (4 units) or a comparable course with lab. Must be taken within 7 years of application (Chemistry 101C is strongly recommended)
 - d. **Biology 220C** - Medical Microbiology (4 units) or a comparable course with lab. Must be taken within 7 years of application.
 - e. **Psychology 101C** - Introduction to Psychology (3 units).
6. A copy of a passing TEAS score (62 or higher) within the last two years and most current version must be provided within the online Career Mobility application. The Test of Essential Academic Skills (TEAS) will be used by the Cypress College Nursing Program. The TEAS is a multiple-choice assessment that will cover English and Language usage, reading, mathematics and science. For more information on the TEAS, applicants may go to: <http://www.atitesting.com>. Cypress College is not a TEAS testing site. Cypress College will accept any testing proctor options provided by ATI (online, in-person, etc.).

7. Complete the online Career Mobility Interest link on the Health Science Application page (<https://www.cypresscollege.edu/health-science-application/>) to receive the application link.
8. Successful completion of the Career Mobility Proficiency Exams I and II. (Fall semester only - Limit 1 attempt)
9. Successful completion of the Career Mobility Clinical Skills Validation Performance Exam. (Spring semester only upon successful completion of Proficiency Exam II - Limit 2 attempts)

B. APPLICATION PROCEDURES

1. Review the Career Mobility Application Checklist on the Registered Nursing webpage.
 2. Apply to Cypress College to obtain a Cypress College student ID#. Once a Cypress College Student ID# has been received, and upon successful completion of the Career Mobility Clinical Skills validation test, submit required official transcripts of all colleges attended to Cypress College Admissions and Records.
 - **To Digitally send an official transcript** (directly from school to school only)
 - Use incomingtranscripts@cypresscollege.edu or choose Cypress college (if the option is provided during the ordering process)
 - **To mail unopened and sealed official transcripts to Cypress College use this address -**
 - Cypress College
Admissions and Records - Transcripts
9200 Valley View St.
Cypress, CA 90630
 3. Complete the online Career Mobility Interest link on the Health Science Application page (<https://www.cypresscollege.edu/health-science-application/>) to receive the application link.
 4. The proficiency exam is scheduled in October of each year.
 5. Submit needed documents following the instructions on the application.
 - a. Copy of High School diploma, official High School transcripts, copy of GED, or an Associate degree or higher from a regionally accredited college/university.
 - b. Official transcripts of all colleges attended (including W's and dual enrollment)
 - c. Unofficial Cypress College and Fullerton College if attended.
 - d. Letter verifying 6 months of full-time or one-year part time LVN/PT experience within the last 3 years.
 6. It is the responsibility of the applicant to thoroughly read all information provided within the handouts and the program's webpage to review for updated and changes that can occur at any time prior to or after the application period.
-

C. CANDIDATE SELECTION CRITERIA

1. Successful completion of NURS 090 C Nursing Transitions (with a grade of "C" or better). NURS 090 is only available upon successful completion of the Career Mobility Clinical Skills validation tests and is a non-repeatable class.
2. Eligible applicants will be admitted to the nursing program on a space available basis according to attrition in the generic nursing program and the time of submission of a completed career mobility application.
3. F-1 visa students will not be accepted for admission into any program when applications by qualified U.S. citizens exceed space available (AP 5012 1.4.).

D. ACCEPTANCE

1. The applicant will have one offer of admittance to Nursing Transitions course during the calendar year of completed Skills Validation Exam.
2. When notified of admittance to the program a response of acceptance is required by a specified date.
3. Applicant rejects offer of admittance: An applicant who chooses not to accept admittance by the deadline will be dropped from the list.
4. No response to the notification of admission by specified date constitutes rejection by the applicant and the applicant's name is dropped from the list.
5. Acceptance is based on attendance at a mandatory orientation for those accepted to begin the RN program.
6. Good physical and mental health as determined by a medical examination upon admission to the program.
7. Once entering the program, all required courses within the program pathway must be completed at Cypress College with the cohort. NO EXCEPTIONS.

E. GENERAL EDUCATION AND GRADUATION REQUIREMENTS

The below courses must be taken prior to the expected date of graduation. All required courses must be completed with a grade of "C" or better.

Code	Title	Units
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
SOC 101 C	Introduction to Sociology	3
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	3
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics) ^{1, 2, 3}	4
Humanities Requirement (Category C2) ⁴		3
Arts Requirement (Category C1) ⁴		3
Physical Activity and Health Requirement ⁴		1

- ¹ May be waived based on completion of an associate degree or higher at an accredited institution in the U.S.
- ² A score of 3 or higher on the Advanced Placement (AP) meets this requirement. See a counselor for more information.
- ³ Proficiency test available - see Counselor.
- ⁴ See Counselor - Cypress College Native GE

Licensed Vocational Nurses to Registered Nurse

(All below listed courses must be taken at Cypress College with the cohort)

First Year		
Semester 1	Units Semester 2	Units
NURS 292 C	5 NURS 295 C	0.5
NURS 293 C	3.5 NURS 296 C	3.5
NURS 294 C	3 NURS 297 C	5
11.5		9

Total Units 20.5

Licensed Psychiatric Technicians to Registered Nurse

(All below listed courses must be taken at Cypress College with the cohort)

First Year			
Semester 1	Units Semester 2	Units Semester 3	Units
NURS 196 C	5 NURS 292 C	5 NURS 295 C	0.5
NURS 197 C	3.5 NURS 294 C	3 NURS 296 C	3.5
		NURS 297 C	5
8.5		8	9

Total Units 25.5

CONTACT US

Health Science Counselor

Cypress College
9200 Valley View St.
Cypress, CA 90630-5897
(714) 484-7015

<https://careers.cypresscollege.edu/programs/nursing/>

Health Science Applications Office

Health Science Building/TE3-217
E-MAIL: healthscience@cypresscollege.edu

30 Unit Non-Degree Option Career Mobility Licensed Vocational Nurse to Non-Degree Registered Nurse Certificate

Division: Health Science

PROGRAM CODE: 1C42811

A Licensed Vocational Nurse may apply for admission to the Nursing Program to meet the requirements for licensure of the State Board of Registered Nursing in California. Thirty-Unit Option applicants shall have equal access to open space in the required nursing courses. This degree requires a total of 29 units.

Code	Title	Units
Required Courses must be taken in this specified sequence.		
BIOL 210 C	Anatomy and Physiology	5
BIOL 220 C	Medical Microbiology	4
Nursing Requirement		
NURS 090 C	Nursing Transitions	3.5
NURS 292 C	Medical-Surgical Nursing II	5
NURS 293 C	Mental Health Nursing	3.5
NURS 294 C	Geriatric Nursing	3
NURS 297 C	Med-Surg Nursing III	5
Total Units		29

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge, skills, and competencies, including pharmacology, medical-surgical, and specialty nursing necessary for licensure and employment as a Registered Nurse in the state of California.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1494

Registered Nursing Associate in Science Degree

Division: Health Science

PROGRAM CODE: 1S03785

Financial Aid Eligible

The **Registered Nursing Associate in Science Degree** educates nursing students for patient/client services in a variety of health care settings. Clinical experience in hospitals and other health care agencies is correlated with classroom instruction. At the satisfactory completion of all courses and the specified general education requirements, the individual will receive an Associate in Science degree and will be eligible for the National Licensing Exam (NCLEX). This degree requires a total of 65 units in addition to other general education requirements.

Code	Title	Units
Prerequisites (16 units):		
BIOL 231 C	General Human Anatomy ¹	4
BIOL 241 C	General Human Physiology ¹	4
BIOL 220 C	Medical Microbiology ¹	4
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing) ²	4
Other Major Requirements		
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication)	
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
SOC 101 C	Introduction to Sociology	3
Total Units		16

¹ Must be taken within five years of application.

² A score of 3 or higher on the Advanced Placement (AP) English Lang. and Comp. or English Lit. and Comp. exam meets this requirement upon petition through Admissions and Records. See a counselor for more information.

Code	Title	Units
SEMESTER I		
NURS 191 C	Pharmacology in Nursing I	1
NURS 192 C	Fundamentals of Nursing	4.5
NURS 193 C	Introduction to Medical-Surgical/Gero Nursing	3.5
	Physical Education Requirement	1
SEMESTER II		
NURS 195 C	Pharmacology in Nursing II	1
NURS 196 C	Med-Surg Nursing I	5
NURS 197 C	Maternal and Newborn Nursing	3.5
SEMESTER III		
NURS 291 C	Pharmacology in Nursing III	1
NURS 292 C	Medical-Surgical Nursing II	5
NURS 293 C	Mental Health Nursing	3.5
NURS 294 C	Geriatric Nursing	3
SEMESTER IV		
NURS 295 C	Pharmacology in Nursing IV	0.5
NURS 296 C	Child and Family Nursing	3.5
NURS 297 C	Med-Surg Nursing III	5
Total Units		41

¹ *A score of 3 or higher on the Advanced Placement (AP) English Lang. and Comp. or English Lit. and Comp. exam meets this requirement upon petition through Admissions and Records. See a counselor for more information.

² **A score of 3 or higher on the Advanced Placement (AP) Psychology exam meets this requirement upon petition through Admissions and Records. See a counselor for more information

³ ***A score of 3 or higher on the Advanced Placement (AP) Math (Calculus AB) or Math (Calculus BC) exam meets this requirement upon petition through Admissions and Records. See a counselor for more information.

⁴ #May be taken prior to program for selection purposes, but must be completed at least by semester indicated.

⁵ ##Proficiency Examination available - see Health Science Counselor.

⁶ ###Must be taken within five years of application.

All nursing courses are challengeable. See Nursing Program Director.

Graduation requirements: Social Justice, Equity and Sustainability (beginning Fall 2000 catalog, the nursing program meets the requirement) and Reading Proficiency. See Counselor/Catalog.

Program Student Learning Outcomes:

A student who completes this program (degree/certificate) will

1. Acquire the skills, knowledge and competencies, including pharmacology, fundamentals, medical-surgical and specialty nursing necessary for licensure and employment as a Registered Nurse.

https://www.curricUNET.com/Cypress/reports/program_report.cfm?programs_id=1751

Minimum Standards for Applicants

1. Eligibility for admission to Cypress College.
2. High school graduation, or passing of the General Education Development Test (GED), or the High School Proficiency Test, or a graduate of an accredited college.
3. Good physical and mental health as determined by a medical examination upon admission to the program. In compliance with the *State Board of Registered Nursing Guidelines*, no student with impaired health status (which includes use of legal or illegal drugs, alcohol, or other chemicals) shall be admitted or allowed to remain enrolled in the Nursing Program. Students applying to the Nursing Program with a history of substance abuse, physical impairment, or mental/emotional impairment shall be required to provide proof of active participation in a recognized treatment program at the time of application. Evidence of continuing rehabilitation may be required if admitted or re-admitted to the Nursing Program. These standards are necessary for the Cypress College Registered Nursing Program to be in compliance with the *Board of Registered Nursing Guidelines* and maintain full accreditation.
4. Total college grade point average (GPA) of 2.5 with a grade of C or better.
5. Completion of ENGL 100 C with a grade of C or as determined by a counselor from transcript.
6. Completion of BIOL 231 C General Human Anatomy, BIOL 241 C General Human Physiology, (CHEM 101 C Chem for Health Sci Majors I strongly recommended), and BIOL 220 C Medical Microbiology with a grade of C or better. All must have been completed within five years of application.

Application Procedures

Applications must be completed **online** during the first week of September. Please see the Health Science Application on the Registered Nursing home page.

Applicants must submit official transcripts to Cypress College Admissions and Records (except Cypress and Fullerton Colleges), by the

official transcripts due date, posted on the Health Science Application page.

The Nursing Program admits students twice each year, fall and spring.

Please Note: F-1 visa students will not be accepted for admission into any program when applications by qualified U.S. citizens exceed space available.

Registered Nursing Curriculum

Nursing courses must be taken in specific sequence. For further information, see a Health Science Counselor. The student must attain a minimum grade of C or better in each required course to continue in the program.

All students will have to meet the prerequisites of English 100C, Anatomy, Physiology, and Microbiology. The nursing program also requires completion of Introduction to Psychology, Introduction to Sociology, and Human Communication.

Per SB 139, section 66055.8 of the Education Code, California Community Colleges that operate a registered nursing program shall waive the general education requirements for the associate of science degree, in Nursing, for any student who has been admitted to the program and who has already earned a baccalaureate or higher degree. Cypress College will only accept degrees granted from a regionally accredited institution of higher education.

Transfer of Credit

Transfer credit for nursing courses taken from another accredited institution may be granted provided the applicant meets the Cypress College Department of Nursing entrance requirements and space is available in the program. Contact the Health Science Application Office for written policy and procedure.

Credit will be granted on an individual basis after evaluation by the Department of Nursing. Transfer credit for equivalent general education courses required by the Department of Nursing will be granted if the course has been completed at an accredited college.

Any required course in the biological listed below, completed over five years previous to the time the student applied to the program, must be repeated or the student may receive credit by challenge examination, or be evaluated on an individual basis.

Code	Title	Units
BIOL 231 C	General Human Anatomy	4
BIOL 241 C	General Human Physiology	4
BIOL 220 C	Medical Microbiology	4

Career Mobility Pathways: 19.5 units may be awarded for holders of a valid California Vocational Nursing license. Credits are posted to transcripts upon completion of all other degree and graduation requirements. Students must provide a copy of their current California license with their degree application in order to be eligible for this credit. LVN license, students get credit for:
NURS 191C, 192C, 193C, 195C, 196C, 197C, 291C

14.5 units may be awarded for holders of a valid California Psychiatric Technician license. Credits are posted to transcripts upon completion of all other degree and graduation requirements. Students must provide a copy of their current California license with their degree application in order to be eligible for this credit.
PT license, students get credit for:

NURS 191C, 192C, 193C, 195C, 291C, 293C

Philosophy and Religious Studies

Division: Social Sciences

Division Dean

Dr. Jamie Thomas

Faculty

Willis Heusser
Myev Rees
Jason Thibodeau

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Philosophy and Religious Studies Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Philosophy Associate in Arts Degree
- Philosophy Associate in Arts Degree for Transfer (AA-T)
- Religious Studies Associate in Arts Degree

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Philosophy Associate in Arts Degree

Division: Social Sciences

PROGRAM CODE: 1A16881

Financial Aid Eligible

The **Associate in Arts Degree in Philosophy** is designed to develop the reasoning skills needed to understand and evaluate theories about society, persons, reality, knowledge, truth, values, etc. The purpose of which is to uncover the assumptions underlying our understanding of the world and to subject those assumptions to careful scrutiny using the tools of logic. Upon successful completion, students will understand the major concepts and issues that have shaped philosophical traditions and be able to make decisions based on rigorous, logical standards. Skills in thinking and problem solving, research, writing, criticism, and analysis are emphasized. This will include the ability to critically analyze the logical structure of arguments in contemporary social and moral issues and to assess the influential positions on theories of truth and the nature of reality. The precision of thought and expression that philosophy. Those holding a Master's or Doctoral Degree may find employment in education, law, journalism, health, business, theology, public service, and other disciplines where analytical skills are required. A limited number of students who earn graduate degrees in philosophy go on to become college philosophy professors. Those without a graduate degree will find limited career opportunities in direct areas of Philosophy. Courses that fulfill major requirements for an associate degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a baccalaureate degree. The Associate in Arts Degree in Philosophy will provide students with an introduction to the field including its analytic foundations and applied areas. The degree curriculum and major provide a sound foundation for transfer students intending further upper-division study as preparation for the baccalaureate degree. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Students pursuing more than one specified departmental major may double count a maximum of 7 units to fulfill major requirements. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Code	Title	Units
Required Courses: (12 units)		
<i>Required courses are listed in suggested sequence:</i>		
Take 6 units (and 6 units from Method Courses)		6-9
<i>OR</i>		
Take 9 units (and 3 units from Method Courses)		
PHIL 100 C	Introduction to Philosophy	3

or PHIL 100HC	Honors Introduction to Philosophy	
PHIL 160 C	Introduction to Ethics	3
PHIL 201 C	History of Ancient Philosophy	3
PHIL 202 C	History of Modern Philosophy	3
Philosophy Method Courses: (3-6 units)		3 - 6 UNITS
Select three to six units of the following:		3-6
PHIL 170 C	Logic and Critical Thinking	3
PHIL 172 C	Critical Thinking and Writing	3
PHIL 175 C	Symbolic Logic	3
Philosophy Elective Courses		3 UNITS
Select three units of the following:		3
PHIL 101 C	Intro to Religious Studies	3
PHIL 110 C	Religions of the East	3
PHIL 120 C	Religions of the West	3
PHIL 240 C	Jesus and His Interpreters	3
PHIL 230 C	Philosophy of Religion	3
Elective Courses		
Select three to four units of the following:		3-4
ANTH 102 C	Cultural Anthropology	3
ART 100 C	Fundamentals of Art for Non-Art Majors	3
ENGL 110 C/ INDS 100 C	Humanities - Ancient and Medieval	3
ENGL 111 C/ INDS 101 C	Humanities - Renaissance - Present (same as INDS 101 C)	3
MUS 116 C	Music Appreciation	3
PHYS 130 C	Elementary Physics	4
POSC 120 C	Political Theory	3
POSC 215 C	Comparative Politics ¹	3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
PSY 120 C	Human Sexuality	3
PSY 161 C	Probability and Statistics-Social Sciences	4
PSY 221 C	The Brain and Behavior	3
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	
THEA 100 C	Introduction to the Theatre	3
TOTAL UNITS:		18 UNITS

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and critical thinking skills needed to evaluate and contextualize the major events, concepts, and problems that have shaped the development of western thought and the universal human search for meaning.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1630

Philosophy Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A32694

Financial Aid Eligible

The **Philosophy Associate in Arts Degree for Transfer** is designed to provide an opportunity for the Philosophy major to achieve an Associate in Arts Degree in Philosophy for Transfer (AA-T in Philosophy) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. This AA-T in Philosophy is designed to provide the student with a fundamental understanding and acquisition of knowledge in the Philosophy discipline. The study of philosophy includes: (1) the development of critical thinking and writing skills; (2) the investigation of conceptual problems encountered in the course of reflecting about experience; (3) the assessment of assumptions underlying other sciences and arts; and (4) the exploration of intellectual and cultural history from a broad perspective. The curriculum includes courses in Ethics, Logic, and the History of Philosophy. Graduate study is important in Philosophy. Those holding a Master's or Doctoral Degree may find employment in education, law, journalism, health, business, theology, public service and other disciplines where analytical skills are required. A limited number of students who earn graduate degrees in philosophy go on to become college philosophy professors. Those without a graduate degree will find limited career opportunities in direct areas of Philosophy. Additionally, it is more challenging to obtain teaching and/or research opportunities without a terminal PhD degree or with M.A. degrees from less competitive institutions. To earn an AA-T in Philosophy students must complete: (1) a minimum of 18 semester units or 27 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a

grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Core Courses - Select two courses (6 units):		
PHIL 175 C	Symbolic Logic	3
PHIL 100 C	Introduction to Philosophy	3
or PHIL 100HC	Honors Introduction to Philosophy	
or PHIL 160 C	Introduction to Ethics	
List A - Select any course not selected from the Core Courses or one course from list below (3 units):		3
PHIL 170 C	Logic and Critical Thinking	3
PHIL 201 C	History of Ancient Philosophy	3
PHIL 202 C	History of Modern Philosophy	3
List B - Select any course not selected from List A or two courses from the list below (6 units):		6
PHIL 101 C	Intro to Religious Studies	3
PHIL 110 C	Religions of the East	3
PHIL 120 C	Religions of the West	3
PHIL 135 C	Social and Political Philosophy	3
PHIL 172 C	Critical Thinking and Writing	3
PHIL 230 C	Philosophy of Religion	3
Select from the courses listed below or any LIST A or LIST B course not already used.		3
PHIL 240 C	Jesus and His Interpreters	3
Total Units		18

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1412

Religious Studies Associate in Arts Degree

Division: Humanities

PROGRAM CODE: 1A45156

The **Religious Studies Associate of Arts Degree** is designed for those who want a humanities undergraduate background focusing on religion as a preparation for further study in such fields as education, law, social work, counseling and government service; wish to pursue further studies in religion with the aim of teaching and/or doing research in the subject, or are considering a career in various religious ministries or in religious education. Religious Studies examines Hinduism, Buddhism, Sikhism, Judaism, Christianity, Islam and other less familiar traditions. Studying religious traditions develops habits of mind that are very important for life in our multicultural society. Familiarity with the world's religions is necessary for an understanding of church-state issues in America and of geo-political conflicts in South Asia, the Middle East and elsewhere. To earn a Religious Studies Associate in Arts students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum

GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 18 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses (9 units):		
PHIL 101 C	Intro to Religious Studies	3
or PHIL 101HC	Honors Introduction to Religious Studies	
PHIL 105 C	World Religions	3
PHIL 225 C	The American Religious Experience	3
or PHIL 110 C	Religions of the East	
or PHIL 120 C	Religions of the West	
or PHIL 240 C	Jesus and His Interpreters	
Select three courses from the list below that have not already been taken, from the required list. (9 units):		9
ANTH 107 C	Magic Witchcraft and Religion	3
HIST 112 C	World Civilizations I	3
or HIST 112HC	Honors World Civilizations I	
PHIL 100 C	Introduction to Philosophy	3
or PHIL 100HC	Honors Introduction to Philosophy	
PHIL 110 C	Religions of the East	3
PHIL 120 C	Religions of the West	3
PHIL 160 C	Introduction to Ethics	3
PHIL 230 C	Philosophy of Religion	3
PHIL 240 C	Jesus and His Interpreters	3
Total Units		18

Program Student Learning Outcomes:

Outcome 1: Compare, contrast, and assess at least two methodological approaches utilized in the academic study of religion, including the methods and theories of religious studies scholarship, in order to cultivate an objective understanding of the world's religious traditions.

Outcome 2: Compare and contrast at least two of the major religious traditions, focusing on an ethical aspect and on an aspect of practice, in order to demonstrate the ability to synthesize knowledge of world religious traditions.

Outcome 3: Identify, explain, and evaluate at least two aspects of the worldviews held by two of the major Asian traditions through critical analysis of topics introduced in courses, in order to cultivate objective knowledge of diverse Asian religious traditions.

Outcome 4: Identify and evaluate at least two major theological issues dividing Protestantism, Roman Catholicism, and Eastern Orthodoxy in order to reflect on the historical, social, and cultural contexts out of which the global diversity of Christianity emerges.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1724

Photography

Division: Visual and Performing Arts

Division Dean

Dr. Kellori Dower

Faculty

Tony Maher

Counselors

Renay Laguana-Ferinac
Renee Ssensalo

Photography Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Patrons of the Arts

The Cypress College Patrons of the Arts is a non-profit, tax-exempt organization that functions under the auspices of the Cypress College Foundation. It was founded in 1975 to encourage community participation in the college's visual & performing arts programs and exhibits, foster cultural, visual, and performing arts activities at the college, and to raise funds to provide scholarships to talented students in the fields of:

Art
Dance
Journalism
Media Arts Design1
Music
Photography
Theatre

Please contact the Cypress College Patrons of the Arts at tchevalier@CypressCollege.edu or (714) 484-7139 for further information.

- Creative Photo Arts Certificate
- Digital Photography Certificate
- Photography Associate in Arts Degree
- Photography Certificate
- Portrait and Wedding Photography Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning

Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

A student who completes the Photography program of study will be able to:

- Produce photographic images utilizing a variety of photographic processes. A student who completes the Photography program of study will be able to produce photographic images utilizing a variety of photographic processes.
- Develop and create a portfolio of images centered on a single theme or idea.
- Possess the technical skills necessary to create professional quality photographs in both studio and location environments.
- Possess an understanding of how issues and concepts are related to the processes used to communicate them.

Degree & Certificate Program Student Learning

Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Creative Photo Arts Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C15691

Financial Aid Eligible

The **Creative Photo Arts Certificate** is designed to prepare students for a career as an individual artist or as an employee in the visual arts. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 19 units.

Code	Title	Units
Required Courses (19 units):		
PHOT 101 C	Introduction to Photography	3
PHOT 202 C	Contemporary Photography	3
PHOT 220 C	Alternative Photo Processes I	3
PHOT 204 C	History of Photography	3
PHOT 219 C	Editorial Photography	3
PHOT 149 C	Photo Laboratory Studies II	1

PHOT 216 C	Advanced Digital Photography	3
Total Units		19

Program Student Learning Outcomes:

OUTCOME 1: The Creative Photo Arts Certificate is designed to prepare students for a career as an individual artist or as an employee in the visual arts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1725

Digital Photography Certificate

Division: Visual and Performing Arts

Program Code: 1C12978N

Financial Aid Eligible

The **Digital Photography Certificate** is designed to prepare the student for entry-level employment within the Photo Lab/Service Bureau Industry. Students are trained in the use of state-of-the-art printing and processing equipment. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires 18.5-19 units.

Code	Title	Units
Required Courses are listed in suggested sequence (19 units):		
PHOT 101 C	Introduction to Photography	3
PHOT 115 C	Introduction to Digital Photography	3
PHOT 202 C	Contemporary Photography	3
PHOT 203 C	Studio Lighting Techniques	3
PHOT 219 C	Editorial Photography	3
PHOT 216 C	Advanced Digital Photography	3
PHOT 148 C	Photo Laboratory Studies I	1
Total Units		19

Program Student Learning Outcomes:

OUTCOME 1: The Digital Photography Certificate is designed to prepare the student for entry-level employment within the Photo Lab/Service Bureau Industry. Students are trained in the use of state-of-the-art printing and processing equipment.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1663

Photography Associate in Arts Degree

Division: Fine Arts

PROGRAM CODE: 1A03782

Financial Aid Eligible

The **Photography Associate in Arts Degree** is designed to prepare students for entry into occupational photographic fields. A student may also elect

to work toward a transfer into a four-year institution, in the field of Fine Arts. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 33 units.

Code	Title	Units
Required Courses (33 units):		
PHOT 101 C	Introduction to Photography	3
PHOT 103 C	Intermediate Photography	3
PHOT 104 C	Wedding and Event Photography	3
PHOT 109 C	Portrait Photography	3
PHOT 118 C	Available Light Photography	3
PHOT 202 C	Contemporary Photography	3
PHOT 203 C	Studio Lighting Techniques	3
PHOT 204 C	History of Photography	3
PHOT 115 C	Introduction to Digital Photography	3
PHOT 219 C	Editorial Photography	3
PHOT 220 C	Alternative Photo Processes I	3
Total Units		33

Program Student Learning Outcomes:

OUTCOME 1: An understanding of visual forms and their aesthetic functions, and basic design principles, developing throughout the degree program, with attention to such areas as design, color, and lighting.

OUTCOME 2: Knowledge and skills in the use of basic tools, techniques, technologies, and processes sufficient to work from concept to finished product. This involves a mastery of the materials, equipment, and processes of the discipline, including uses of cameras, film, lighting/digital technologies, processing in black and white and in color, printing (wet, hybrid, and digitally), and work with nonsilver materials.

OUTCOME 3: An understanding of the industrial and commercial applications of photographic techniques.

OUTCOME 4: Functional knowledge of photographic history and theory, the relationship of photography to the visual disciplines, and its influence on culture.

OUTCOME 5: The ability to work and study independently.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1528

Photography Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C21111N

Financial Aid Eligible

The **Photography Certificate** allows the student to prepare for entry into an occupational photographic field. To earn a certificate, complete the required courses listed below, plus 6 additional units from the list of suggested electives listed below with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 26 units.

Code	Title	Units
Required Courses (20 units)		
PHOT 101 C	Introduction to Photography	3
PHOT 103 C	Intermediate Photography	3
PHOT 118 C	Available Light Photography	3
PHOT 203 C	Studio Lighting Techniques	3
PHOT 115 C	Introduction to Digital Photography	3
PHOT 148 C	Photo Laboratory Studies I	1
PHOT 149 C	Photo Laboratory Studies II	1
PHOT 204 C	History of Photography	3
Electives - Select 2 courses (6 units)		6
PHOT 109 C	Portrait Photography	3
PHOT 104 C	Wedding and Event Photography	3
PHOT 202 C	Contemporary Photography	3
PHOT 219 C	Editorial Photography	3
PHOT 220 C	Alternative Photo Processes I	3
PHOT 206 C	Studio Practices	3
Total Units		26

Program Student Learning Outcomes:

OUTCOME 1: be prepared to seek entry-level employment in a variety of commercial photographic specialties (for example, photojournalism, portraiture, fashion, architectural, product, etc.). Students completing the program will have developed a portfolio.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1529

Portrait and Wedding Photography Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C12984
Financial Aid Eligible

The **Portrait and Wedding Photography Certificate** is designed to prepare students for starting their own business or for employment within the wedding/portrait industry. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 22 units.

Code	Title	Units
Required Courses (22 Units):		
PHOT 103 C	Intermediate Photography	3
PHOT 118 C	Available Light Photography	3
PHOT 104 C	Wedding and Event Photography	3

PHOT 216 C	Advanced Digital Photography	3
PHOT 109 C	Portrait Photography	3
PHOT 203 C	Studio Lighting Techniques	3
PHOT 219 C	Editorial Photography	3
PHOT 150 C	Photo Laboratory Studies III	1
Total Units		22

Program Student Learning Outcomes:

OUTCOME 1: be prepared for starting their own business or for employment within the wedding/portrait industry. To earn a certificate, complete the required courses as listed with a minimum grade of C.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1743

Physical Science

Division: Science/Engineering/Mathematics

Division Dean

Patricia Menchaca

Faculty

Ron Armale
Victoria Castle
Kirk Domke
Michael Frey
Anthony Hall
Massoud Saleh
Aaron Schwartz

Counselor

Ernesto Heredia

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Science, Technology, Engineering, and Mathematics.

Physics

Division: Science/Engineering/Mathematics

Division Dean

Patricia Menchaca

Faculty

Ron Armale

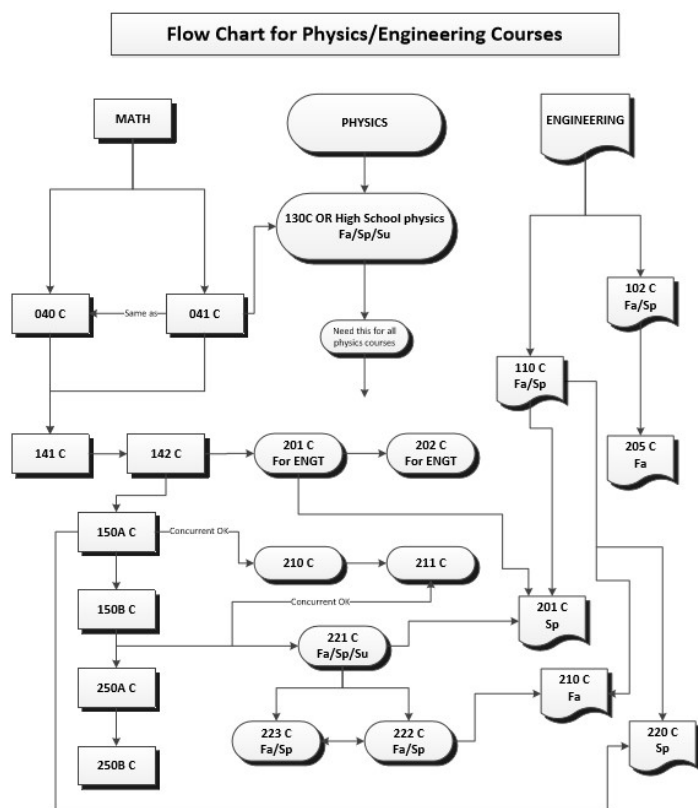
Anthony Hall
Aaron Schwartz

Counselor

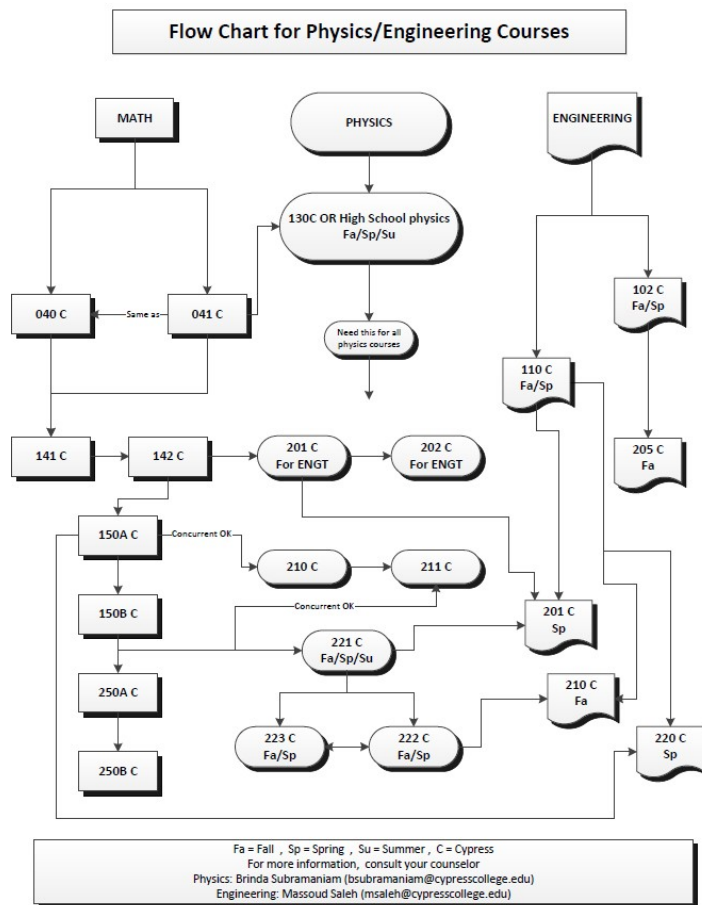
Ernesto Heredia

Physics Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.



- Physics Associate in Science Degree for Transfer (AS-T)
- Physics Associate in Science Degree for UC Transfer



At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills; specifically, the following ISLO/PSLO subcategories: A1-Science, Technology, Engineering, and Mathematics.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Physics Associate in Science Degree for Transfer (AS-T)

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S31868

Financial Aid Eligible

The **Physics Associate in Science Degree for Transfer** (AS-T in Physics) is designed to provide an opportunity for the Physics major to receive an Associate in Science Degree in Physics for Transfer to CSU (AS-T in Physics) which completes the first- and second year requirements for transfer to a four-year public California institution. Students with a degree in physics may pursue careers in a variety of fields such as science, engineering, teaching, and patent law. While at least a baccalaureate degree is a recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Physics or a similar major at a California State University (CSU) campus. This degree provides valuable quantitative and problem-solving skills that are in demand for hiring as lab technicians in a variety of fields such as manufacturing, engineering, and education. Students should consult a counselor, the Transfer Center, and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. The completion of this curriculum will demonstrate commitment to the Physics field and provide comprehensive preparation for upper-division work. To earn an AS-T in Physics students must complete the following requirements: (1) a minimum of 24 semester units or 36 quarter units in the Physics major with a minimum grade of "C"; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. Students should consult with a counselor when planning to complete the degree for more information on specific university admission and transfer requirements. This degree requires a total of 24 semester units in the physics major in addition to other graduation requirements.

Code	Title	Units
Required Courses Are Listed in Suggested Sequence (24 units):		
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
PHYS 223 C	General Physics III	4
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
MATH 250AC	Multivariable Calculus	4
Total Units		24

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including the principles and applications of mechanics, electricity and magnetism, thermodynamics, optics, and modern physics, experimental techniques and safety protocols in laboratory, necessary for transfer to a four-year institution

https://www.curricUNET.com/Cypress/reports/program_report.cfm?programs_id=1493

Physics Associate in Science Degree for UC Transfer

Division: Science/Engineering/Mathematics

PROGRAM CODE: 1S43079

Financial Aid Eligible

The **Physics Associate in Science Degree for UC Transfer**, also known as the Physics AS-UCT, prepares students for transfer to UC campuses that offer bachelor's degrees in physics. This program aligns with the UC Transfer Pathway (UCTP). The Physics AS-UCT introduces students to general principles of mechanics, electricity, magnetism, thermodynamics, optics, and modern physics with related laboratory work and prepares students for upper division coursework in the discipline of physics through the coursework in physics and mathematics. This degree in physics provides valuable quantitative and problem-solving skills that are in demand for hiring as lab technicians in fields such as manufacturing, different fields of engineering, and education. For people who obtain a terminal bachelor's degree in physics, about half work in industry, in fields such as aerospace, military, software, and electronics. Most of the other half work either as high school teachers or as lab technicians at universities or government-funded laboratories. PhD's in physics are qualified for teaching at the university level and for scientific research, as well as for higher-level jobs in the same areas as those with bachelor's degrees. Students completing this degree are guaranteed admission to the UC system, but not necessarily to a particular UC campus or major of their choice. In addition to completing the coursework and IGETC courses for this degree, students must achieve a cumulative minimum grade point average of 3.5 in the major. This degree requires 39 units in the major, 16-20 general education (IGETC) coursework, in addition to other graduation requirements. This degree requires a total of 55-59 units.

Code	Title	Units
Required units: (39 units)		
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
PHYS 223 C	General Physics III	4
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
MATH 250AC	Multivariable Calculus	4
MATH 250BC	Linear Algebra and Differential Equations	5
General Education Requirements:		

In addition to the required coursework, 16-20 units of Intersegmental General Education Transfer Curriculum (IGETC) courses must be completed.

Area 1A Freshman Composition (3 units)

Area 1B Critical Thinking (3 units)

Area 3 Arts and Humanities (3 units)

Area 4 Social and Behavioral Science (3 units)

Area 5B Biological Science (4 units)

Area 6 Language Other than English (0-4 units)

Total Units **39**

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including the principles and applications of mechanics, electricity and magnetism, thermodynamics, optics, and modern physics, experimental techniques and safety protocols in laboratory, necessary for transfer to a four-year institution.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1513

Political Science

Division: Social Sciences

Division Dean

Dr. Jamie Thomas

Faculty

Gloria Badal

Eapen Peter Mathews

Counselors

Mymy Lam

Dr. Therese Mosqueda-Ponce

Daniel Pelletier

Political Science Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Political Science Associate in Arts Degree for Transfer (AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning

Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

Degree & Certificate Program Student Learning

Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Political Science Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A32251

Financial Aid Eligible

The **Political Science Associate in Arts Degree for Transfer** is designed to provide an opportunity for the Political Science major to achieve an Associate in Arts Degree in Political Science for Transfer (AA-T in Political Science) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Political Science or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students successfully completing the AA-T in Political Science will acquire a fundamental knowledge base of Political Science, introducing students to concepts, methods, and knowledge that help them understand and judge politics within and among nations, and possess a basic understanding of areas that have an interdisciplinary association to Political Science. This degree will provide students with an introduction to the field including its applied areas. The intent is to prepare students for further academic study in the field. It will also demonstrate commitment to the field and provide comprehensive preparation for upper division work at the university level. At the baccalaureate level students can continue an education in various areas of Political Science including the following four subfields: Political Theory, American Politics, Comparative Politics, or International Relations. Graduate study is important in Political Science. Those holding a Master's or Doctoral degree may find employment in teaching, business, government, journalism, education, or nonprofit organizations; or it can lead to a PhD program in the social sciences or to professional school in law, business, public policy, or international relations. Those without a graduate degree will find limited career opportunity in direct areas of Political Science. To earn an AA-T in Political Science students must complete the following requirements: (1) a minimum of 18-19 semester units or 27-28.5 quarter units in the Political Science major with a grade of C or better; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC) requirements; (3) completion of 60 semester or 90 quarter units of CSU transferable coursework; and (4) have an overall GPA of 2.0. This degree requires a total number of 18-19 units in the major, in addition to general graduation requirements.

Code	Title	Units
Required Core Courses (3 units):		
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	3
or POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government)	
LIST A - Select three courses from the following (9-10 units):		9-10
POSC 120 C	Political Theory	3
POSC 200 C	Introduction to Political Science	3
POSC 215 C	Comparative Politics	3
POSC 230 C	International Relations	3
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
List B: Select 2 courses (6 units) from the following: (or any Political Science courses not already used from List A)		6
ECON 100 C	Principles of Economics-Macro	3
or ECON 100HC	Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
ECON 110 C	Survey of Economics	3

ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 129 C	Introduction to African-American Studies	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3
ETHS 159 C	Introduction to Native American Studies	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
GEOG 100 C	World Geography	3
or GEOG 100HC	Honors World Geography	
HIST 110 C	Western Civilizations I	3
or HIST 110HC	Honors Western Civilizations I	
HIST 112 C	World Civilizations I	3
or HIST 112HC	Honors World Civilizations I	
HIST 142 C	History of Latin America I	3
HIST 151 C	Survey of British History I	3
HIST 160 C	Asian Civilizations I	3
HIST 170 C	History of the United States I	3
or HIST 170HC	Honors History of the United States I	
HIST 171 C	History of the United States II	3
or HIST 171HC	Honors History of the United States II	
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
POSC 209 C	Urban Politics	3
POSC 210 C	Contemporary Political Issues	3
POSC 216 C	Politics of the Middle East	3
POSC 250 C	Gender and Politics	3
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	
SOC 292 C	Introduction to Criminology	3

Total Units **18-19**

Program Student Learning Outcomes:

OUTCOME 1: Active Citizenship and Civic Engagement - Students should demonstrate knowledge of U.S. political institutions and processes, including the importance of civil society and community involvement. They should have an understanding of contemporary political issues, local and national problems, and their historical contexts.

OUTCOME 2: Critical Thinking and Political Communication - Students should demonstrate critical thinking skills through their understanding of the theories and methods, both qualitative and quantitative, of political science, and should have the capacity to present and defend their views effectively in written and/or oral format.

OUTCOME 3: Political Power and Decision Making - Students should demonstrate an understanding of the institutions and processes in which political decisions are made, and the values, interests and other sources of influence that inform those decisions.

OUTCOME 4: Foundations of Political Science - Students should have a basic knowledge of the content of the major subfields in political science: American Politics, Comparative Politics, International Relations, and Political Theory.

OUTCOME 5: A Global Perspective - Students should develop a comprehension and appreciation for the diversity of political institutions and traditions constructed by humans globally, and an understanding of the dynamic relationship between local, national and global contexts.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1660

Psychiatric Technology

Division: Health Science

Division Dean

Colin Preston

Faculty

Anthony Brown
Dragana Filip
Marcus Marquardt
Jaime Ramos

Counselors

Kelly Carter
Marisa Lehmeier
Denise Vo

Program Objectives

This program aims to prepare the student to meet the requirements for licensure as a Psychiatric Technician in the state of California. A Psychiatric Technician is a licensed member of the professional healthcare services team working with people who are mentally or developmentally disabled. Employed by private and state mental hospitals, the County Department of Mental Health, and many community facilities. Psychiatric Technicians will also find a variety of jobs available in the fields of prisons/corrections and human services. These include substance abuse programs, forensic facilities, special education and many other areas promoting mental health. There are career advancement opportunities available in the areas of counseling, education, nursing, and vendorization of services.

The program is *accredited* by, and *conforms* to, the regulations of the California Board of Vocational Nursing and Psychiatric Technicians. Upon successful completion of the program, graduates are eligible to take the State Board Licensure Examination.

Minimum Standards for Applicants

1. Graduation from high school or completion of the General Education Development (GED) test with an average score of 450 on the five-test battery or passing the high school proficiency examination.

Possession of an associate or higher degree satisfies this requirement.

2. Completion of ENGL C1000 is highly recommended.
3. Completion of BIOL 160 C, PSYC C1000 Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology) and PSY 139 C with a "C" or better or transcript showing courses in progress.

Application Procedures

1. Meet with a counselor to determine fulfillment of the minimum standards.
2. Applications must be completed **online**. Please see the **Health Science Application link** on the Psychiatric Technology home page.
3. Submit supporting documentation with the signature page of application. This includes a copy of high school diploma, GED or high school proficiency and official college transcripts.

Selection Criteria

1. Twenty-four (24) students are selected for admission each Fall and Spring semester. The number of applicants usually exceeds available seats.
2. Selection is based on completion of required prerequisites and date of application.
3. Selection criteria is subject to change. See a Health Science Counselor for current selection criteria.
4. Upon selection for the program but prior to the start of classes, the candidate will be required to obtain a physical examination and required immunizations.
5. Students selected for admission to the program must obtain a Health Care Provider level cardiopulmonary resuscitation (CPR) card prior to attending clinical training and must maintain current certification throughout the program.
6. If you have been convicted of a criminal offense, your eligibility to enroll in the program may be affected. All students will be fingerprinted and cleared by the FBI and Department of Justice (DOJ) before enrolling in PT 110 C.

- Psychiatric Technician Aide Certificate
- Psychiatric Technology Associate in Science Degree
- Psychiatric Technology Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/

PSLO subcategories: A1-Health Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, D2-Global Citizenship, and D3-Equity.

A student who completes the Psychiatric Technology program will be able to:

- Show effective communication with the patient/client, family, health care team, and community.
- Identify and prioritize nursing diagnoses through assessment/observation of the patient/client's physical condition, behavior and through interpretation/analysis of information obtained from the patient, client record and others, including members of the health care team.
- Create a plan of care in collaboration with the patient/client which ensures that direct and indirect nursing, psychiatric care and habilitation training provided for the patient/client's safety, comfort, hygiene, and protection, as well as disease prevention, health promotion, and restorative measures.
- Perform skills essential to implement safe and effective care to individuals with nursing needs, psychiatric disorders and/or developmental disabilities that involve explaining health treatment, and teaching patient/client and family how to meet his or her health care needs.
- Evaluate the expected outcomes of the plan of care through observation of the client's physical condition, behavior, signs and symptoms of illness, reactions to treatment, and through communication with the patient/client and the health care team members; modifies/progresses plan as needed.
- Advocate for the patient/client by initiating action to improve health care and to make informed decisions.
- Practice according to ethical and legal professional standards as set forth by the Cypress College Psychiatric Technician program and the California Board of Vocational Nursing and Psychiatric Technicians.
- Evaluate personal strengths and growth needs and incorporate these into a plan for professional development.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Psychiatric Technology Associate in Science Degree

Division: Health Science

PROGRAM CODE: 1S03790

Financial Aid Eligible

While the state of California does not require an Associate Degree for licensure as a Psychiatric Technician, the student may elect to earn one.

To earn a Psychiatric Technology Associate in Science Degree student must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. This degree requires 55.5 units in the major (required courses are listed in sequence) in addition to other graduation requirements. Note: a) Must obtain live scan clearance at FBI and DOJ level before the start of the program. b) A current American Heart Association (AHA) cardiopulmonary resuscitation (CPR) card must be maintained by all students admitted to the program, along with a completion of a physical exam, immunizations and clearance to perform clinical work.

Code	Title	Units
Prerequisite Courses:		
BIOL 160 C	Fundamentals of Human Anatomy and Physiology ¹	3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
SEMESTER 1		
PT 110 C	Nursing Science I	7
PT 115 C	Nursing Science II	7
PSY 139 C	Developmental Psychology ¹	3
SEMESTER 2		
PT 120 C	Developmental Disabilities I	7
PT 125 C	Developmental Disabilities II	7
SEMESTER 3		
PT 090 C	Leadership Supervision and Ethics ¹	0.5
PT 130 C	Mental Disabilities I	7
PT 135 C	Mental Disabilities II	7
<i>Additional Recommended Coursework Not Required</i>		
COUN 140 C	Educational Planning ¹	1
PT 080 C	Selected Topics in Psychiatric Technology ²	1
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	
Total Units		51.5

¹ Courses may be taken without official acceptance into the program. All other required courses must be taken after official acceptance.

² Course is preparation for the State Board Examination students are required to take to become licensed. Recommended to be taken upon program completion.

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills, including basic nursing care, participation in treatment plan development/evaluation, administration of care, medication administration, psychosocial assessment/interventions, behavior management and legal/professional responsibilities necessary to become a safe and competent practitioner in the field of psychiatric technology.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1536

Psychiatric Technician Aide Certificate

Division: Career Technical Education

PROGRAM CODE: 1C44370

Financial Aid Eligible

The **Psychiatric Technician Aide Certificate** program prepares the student for an exciting career in the health care field, with an emphasis in aiding Psychiatric Technicians and other health care providers. This program prepares students to provide care in long-term care facilities, psychiatric facilities and habilitation facilities for persons diagnosed with fundamentals of nursing needs. This program emphasizes safety principles, infection control, and methods for providing physical care, emotional and social support. Students familiarize with the regulatory guidelines pertaining to certify nurse assistants' scope of practice, fundamentals of the disease process, and concepts of providing care for individuals diagnosed with fundamentals of nursing needs. This certificate requires a total of 20 units.

Code	Title	Units
Required courses (20 units):		
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
BIOL 160 C	Fundamentals of Human Anatomy and Physiology	3
PSY 139 C	Developmental Psychology	3
PT 110 C	Nursing Science I	7
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
Total Units		20

Program Student Learning Outcomes:

OUTCOME 1: Adhere to the principles of ethical conduct and apply this code to established state and federal regulations and promote safe, quality fundamentals of nursing care.

OUTCOME 2: Understand the importance of collaboration with the interdisciplinary team during the provision of care.

OUTCOME 3: Demonstrate ability to communicate any unusual occurrences noted during the provision of care to the immediate care supervisor/manager.

OUTCOME 4: Assist patients and provide professional care during activities of daily living.

OUTCOME 5: Demonstrate confidence in observation and reporting significant data to members of the interdisciplinary team during change of shift reports and/or case conferences.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1755

Psychiatric Technology Certificate

PROGRAM CODE: 1C21116T

Financial Aid Eligible

This **Psychiatric Technology Certificate** aims to prepare a student to meet the requirements for licensure as a Psychiatric Technician in the state of California. A Psychiatric Technician is a licensed member of the professional healthcare team who works with people diagnosed with intellectual and/or developmental disabilities and psychiatric disorders. Psychiatric Technicians are employed by private and state psychiatric hospitals and group homes. Psychiatric Technicians increasingly find a variety of jobs in the fields of corrections and human services. These include substance abuse programs, forensic facilities, special education and many other areas promoting intellectual, developmental disabilities and mental health. The program is accredited by and conforms to the regulations of the California Board of Vocational Nursing and Psychiatric Technicians (BVNPT). Upon successful completion of the program, graduates are eligible to take the State Board Licensure Examination. To earn a certificate, the student must complete the required courses with a grade of C or better. At least 50% of all course work must be completed at Cypress College. Upon completion of the required course work, the student becomes eligible to apply to the BVNPT for a licensure examination. This certificate requires a total of 55.5 units.

Code	Title	Units
Prerequisite Courses (13 units):		
BIOL 160 C	Fundamentals of Human Anatomy and Physiology	3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
PSY 139 C	Developmental Psychology	3
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
SEMESTER 1: (14 units)		
PT 110 C	Nursing Science I	7
PT 115 C	Nursing Science II	7
SEMESTER 2: (14 units)		
PT 120 C	Developmental Disabilities I	7
PT 125 C	Developmental Disabilities II	7
SEMESTER 3: (14.5 units)		
PT 130 C	Mental Disabilities I	7
PT 135 C	Mental Disabilities II	7
PT 090 C	Leadership Supervision and Ethics	0.5
Total Units		55.5

Program Student Learning Outcomes:

OUTCOME 1: Acquire the workforce preparation skills including basic nursing care, participation in treatment plan development/evaluation, administration of care, medication administration, psychosocial assessment/interventions, behavior management and legal/professional responsibilities necessary to become a safe and competent practitioner in the field of psychiatric technology.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1754

Psychology

Division: Social Sciences

Division Dean

Dr. Jamie Thomas

Faculty

Angela de Dios
Randall Martinez
Carlos Sandoval
Brandy Young

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Psychology Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

-
- Psychology Associate in Arts Degree for Transfer (AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Psychology Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A31353

Financial Aid Eligible

This curriculum is designed to provide an opportunity for the Psychology major to achieve an **Associate in Arts in Psychology for Transfer (AA-T in Psychology)** which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Psychology or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students successfully completing the AA-T in Psychology will acquire a fundamental knowledge base of psychology, learn basic knowledge and skills in data analysis and research methods, and possess a basic understanding of areas that have an interdisciplinary association to Psychology. This degree will provide students with an introduction to the field including its scientific foundations and applied areas. The intent is to prepare students for further academic study in the field. It will also demonstrate commitment to the field and provide comprehensive preparation for upper division work at the university level. At the baccalaureate level students can continue an education in various areas of psychology including research methods, cognition, physiological psychology, development, environmental psychology, organizational psychology, clinical psychology, and educational psychology. Graduate study is important in Psychology. Those holding a Master's or Doctoral degree may find employment in teaching, research, private practice, or welfare and health related fields.

Those without a graduate degree will find limited career opportunity in direct areas of Psychology. To earn an AA-T in Psychology students must complete: (1) a minimum of 20-21 semester units or 30-31.5 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (3) California General Education Transfer Curriculum (Cal-GETC) requirements, (4) 60 semester or 90 quarter CSU-transferable units, and (5) obtainment of a minimum grade point average (GPA) of 2.0.

Code	Title	Units
Required Core Courses (11 units):		
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	3
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
PSY 161 C	Probability and Statistics-Social Sciences	4
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
PSY 202 C	Research Methods in Psychology	4
List A - Select 3-4 units from the following:		3-4
PSY 221 C	The Brain and Behavior	3
BIOL 101 C	General Biology	4
or BIOL 101HC	Honors General Biology	
List B - Select one of the following 3-unit courses, or any course not taken in Lisa A (3-4 units):		3
PSY 139 C	Developmental Psychology	3
PSY 222 C	Abnormal Psychology	3
List C - Select one of the following 3-unit Psychology courses, or any course not already selected in List A or List B (3 units):		3
PSY 110 C	Applied Psychology	3
PSY 120 C	Human Sexuality	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
PSY 145 C	Child Psychology	3
PSY 251 C	Social Psychology	3
PSY 255 C	Psychology of Aging	3
Total Units		20-21

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=990

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge, conceptual understanding and abilities, including fundamental knowledge in Psychology and Psychological research methods, necessary for transfer into a Psychology Department at a four-year college or university.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1656

Public Health Science

Division: Kinesiology

Division Dean

Colin Preston

Faculty

Drew Alhadeff
Dr. Silvie Grote

Counselor

LaRon Armstead
Joseph Jimenez

- Community Health Worker Certificate
- Integrative Health and Wellness Studies Associate in Science Degree
- Public Health Science Associate in Science Degree for Transfer (AS-T)

Community Health Worker Certificate

Division: Kinesiology

PROGRAM CODE: 1C38578

Financial Aid Eligible

The **Community Health Worker Certificate** prepares students for introductory level positions in the field of community health based on the understanding of integrative health as a foundation for community health care practice. Course work in KIN 235 C may be waived with current Red Cross cards in Adult and Pediatric First Aid and CPR at the discretion of the division. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required courses (9 units):		
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
PHS 294 C	Interpersonal Neurobiology and the Mind-Body Connection	3
or PHS 296 C	Whole Systems Integrative Health	
PHS 295 C	Civic Engagement in Public Health (formerly KIN 289 C)	3
Elective Courses: Complete three (3) of the courses listed below (9 units):		9
COMM 120 C	Intercultural Communication	3
HUSR 226 C	Behavior Modification	3
HUSR 240 C	Drugs and Alcohol in Our Society	3

KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
PHS 107 C	Nutrition and World Food Issue	3
PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
PHS 283 C	Women's Health (formerly KIN 283 C)	3
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
PHS 287 C	Case Studies in Public Health	3
PSY 255 C	Psychology of Aging	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
SOC 250 C	Sociology of Aging	3
Total Units		18

Program Student Learning Outcomes

OUTCOME 1: Acquire workforce preparation skills in the field of community public health, including integrative health practices and introduction to health occupations.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1731

Integrative Health and Wellness Studies Associate in Science Degree

Division: Kinesiology

PROGRAM CODE: 1S41024

Financial Aid Eligible

The **Integrative Health and Wellness Studies Associate in Science Degree** is an interdisciplinary approach to the study of health. Health is defined as a state of physical, psychological, social, and spiritual wellbeing. Furthermore, health is defined as a state of wholeness, of being whole, and in this respect, we approach the study of health from a perspective of what is holy, and sacred. In approaching a vitalist, and holistic definition of health, we will comprehensively consider sleep, movement, nutrition, resiliency, mind-body practices, our connection to nature, and environment, that allow for the emergence of a whole person perspective of human flourishing and health. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This major requires a total of 20-25 units, in addition to other graduation requirements.

Code	Title	Units
Required Courses (9 units):		
PHS 107 C	Nutrition and World Food Issue	3
PHS 294 C	Interpersonal Neurobiology and the Mind-Body Connection	3
PHS 296 C	Whole Systems Integrative Health	3
Select 1 degree emphasis (11-16 units).		11-16
Degree Emphasis: Yoga Studies (11 Units):		
<i>Students completing Yoga Studies emphasis would have earned Yoga Teacher Training Certificate (200-hour) accredited by Yoga Alliance in addition to completing AS degree.</i>		
Required Courses (9 units)		
KIN 290 C	Philosophy and Consciousness of Yoga	3
KIN 291 C	Yoga and the Physical Body	3
KIN 293 C	Contemporary Yoga Studies	3
Restricted Electives (2 units)		
KIN 128 C	Yoga-Intermediate	1
KIN 129 C	Vinyasa Yoga	1
KIN 130 C	Yoga (formerly PE 102 C)	1
KIN 131 C	Restorative and Gentle Yoga	1
KIN 132 C	Hatha Yoga	1
OR		
Degree Emphasis: Yoga Therapy (14 Units):		
<i>Students completing this emphasis would have earned Yoga Therapy Certificate (300-hour) accredited by Yoga Alliance in addition to completing AS degree. Only students who already possess RYT-200-hour level certification by Yoga Alliance qualify for this emphasis.</i>		
Required courses (12 units)		
KIN 292 C	Yoga and the Subtle Body	3
KIN 293 C	Contemporary Yoga Studies	3
KIN 294 C	Ayurveda and Lifestyle Medicine	3
KIN 296 C	Yoga Therapy	3
Restricted Electives (2 units)		
KIN 128 C	Yoga-Intermediate	1
KIN 129 C	Vinyasa Yoga	1
KIN 130 C	Yoga (formerly PE 102 C)	1
KIN 131 C	Restorative and Gentle Yoga	1
KIN 132 C	Hatha Yoga	1
OR		
Degree Emphasis: Integrative Health Studies (16 units)		
Restricted Electives (16 units)		
KIN 290 C	Philosophy and Consciousness of Yoga	3
KIN 291 C	Yoga and the Physical Body	3
KIN 292 C	Yoga and the Subtle Body	3
KIN 294 C	Ayurveda and Lifestyle Medicine	3
KIN 296 C	Yoga Therapy	3
PHIL 101 C	Intro to Religious Studies	3
or PHIL 110 C	Religions of the East	
PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3

or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
PHS 283 C	Women's Health (formerly KIN 283 C)	3
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	1-3
or COUN 105 C	Stress and Anxiety Management	
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
PHS 295 C	Civic Engagement in Public Health (formerly KIN 289 C)	3

OR**Degree Emphasis: Community Health Worker (15 units):**

Students would have earned Community Health Worker Certificate in addition to completing AS degree.

Required courses (12 units)

PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
PHS 295 C	Civic Engagement in Public Health (formerly KIN 289 C)	3

Restricted Courses (9 units)

PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
COMM 120 C	Intercultural Communication	3
HUSR 226 C	Behavior Modification	3
HUSR 240 C	Drugs and Alcohol in Our Society	3
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
PHS 283 C	Women's Health (formerly KIN 283 C)	3
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
PHS 287 C	Case Studies in Public Health	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
PSY 255 C	Psychology of Aging	3
SOC 250 C	Sociology of Aging	3

Total Units **20-25**

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills in integrative health and wellness, including nutrition, movement, psychology, resilience, spirituality, environment, and relationships, which are foundational lifestyle factors in health.

Public Health Science Associate in Science Degree for Transfer (AS-T)

Division: Health Science

PROGRAM CODE: 1S37128

The **Public Health Science Associate in Science Degree for Transfer (AS-T)** is designed to provide an opportunity for the Public Health major to achieve an Associate in Science in Public Health for Transfer (AS-T in Public Health) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Public Health or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The 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 (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Students with a degree in Public Health may pursue careers in a variety of health-related professions with employment opportunities in private, state, federal, corporate, and non-profit sector. The completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper-division work. To earn an AS-T in Public Health students must complete the following requirements: (1) 24 to 25 semester units or 36 to 37 quarter units in the Public Health major, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (3) the California State University General Education Breadth requirements (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern, (4) 60 semester or 90 quarter CSU-transferable units, and (5) obtainment of a minimum grade point average (GPA) of 2.0. This degree requires a total of 24-25 units.

Code	Title	Units
Required Core Courses: 14 units		
PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1730

or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or SOC 161 C	Probability and Statistics-Social Sciences	
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
BIOL 101 C	General Biology	4
or BIOL 101HC	Honors General Biology	
<i>List A: Laboratory Sciences: Select one course (4-5 units)</i>		
BIOL 220 C	Medical Microbiology	4-5
or BIOL 231 C	General Human Anatomy	
or BIOL 241 C	General Human Physiology	
or CHEM 101 C	Chemistry for Health Science Majors I	
or CHEM 111AC	General Chemistry I	
<i>List B: Public Health Concentration in Equity, Diversity and Justice (3 units)</i>		
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
<i>List C: Public Health Focused Interest Area: Select One Course (3 units)</i>		
PHS 283 C	Women's Health (formerly KIN 283 C)	3
or PHS 285 C	Global and Community Health (formerly KIN 285 C)	
or PHS 294 C	Interpersonal Neurobiology and the Mind-Body Connection	
or PHS 107 C	Nutrition and World Food Issue	
or PHS 296 C	Whole Systems Integrative Health	
Total Units		24-25

Program Student Learning Outcomes:

Outcome 1: Acquire knowledge, skills, and competencies in the field of public health, including public health policies and health social justice practices using social determinants of health, necessary for transfer to a 4-year institution.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1604

Radiologic Technology

Division: Health Science

Division Dean

Colin Preston

Faculty

Michael Frianeza

Lynn Mitts
Raymond Ranada

Counselors

Kelly Carter
Marisa Lehmeier
Denise Vo

Continuing Education Courses

Code	Title	Units
RADT 262 C	Cross-Sectional Imaging	1

- Imaging Technologist Assistant Certificate
- Radiologic Technology Associate in Science Degree
- Radiologic Technology Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning

Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Health Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

A student who completes the Radiologic Technology program will be able to:

- Apply positioning skills in all required radiographic examinations.
- Select appropriate technical factors for radiographic examinations.
- Practice radiation protection for all radiographic examination.
- Employ proper patient care techniques.
- Demonstrate oral communication skill.
- Demonstrate written communication skills.
- Relate to and anticipate the needs of the doctors and technologist.
- Adjust to changes, situations, patient conditions, and deviation from the normal routine.
- Demonstrate knowledge of ethical requirements for an entry level radiographer along with ethical practices in a healthcare setting.

- Understand his/her professional obligations upon gaining the ARRT status.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Radiologic Technology Associate in Science Degree

PROGRAM CODE: 1S03789

Financial Aid Eligible

The Cypress College Department of Radiologic Technology provides a high quality education to prepare a diverse population of students with entry levels skills needed to become competent and confident radiographers. Radiology Program Goals 1. Students will have the knowledge and skills to competently and safely perform radiographic procedures. 2. Students will develop the skills necessary to communicate effectively. 3. Students will use critical thinking and problem solving skills. 4. Students will evaluate the importance of professional development and growth. 5. The program will provide the community with entry level radiographers for employment in the healthcare setting. JRC ERT 20 North Wacker Drive, Suite 2850 Chicago, IL 60606-3182 (312) 704-5300 (312) 704-5304 (FAX) email: mail@jrcert.org www.jrcert.org. This degree requires a total of 66.5 units in the major, in addition to general graduation requirements.

Code	Title	Units
PROGRAM PREREQUISITES Foundation courses are required prior to admission to the program . The following required courses and all GE/graduation requirements must be completed prior to application with a minimum grade of "C" in each course to be considered for the fall (August) class . Once a passing grade is achieved and program application requirements are met courses may not be repeated for a higher grade.		
HS 145 C	Survey of Medical Terminology	3
BIOL 210 C	Anatomy and Physiology	4-5
or BIOL 231 C	General Human Anatomy	
RADT 142 C	Radiologic Electronics	4
RADT 146 C	Introduction to Radiography	4
Total Units		15-16

Required Courses are listed in suggested sequence:

Code	Title	Units
SEMESTER 1 (15 units)		
RADT 148 C	Radiology Imaging Techniques (formerly Radiologic Technology)	4
RADT 150 C	Radiographic Positioning I (formerly Radiologic Positioning)	5
RADT 153 C	Radiography Patient Care	3
HS 147 C	Survey of Disease	3
SEMESTER 2 (18 units)		

RADT 247 C	Radiographic Positioning II	5
RADT 251 C	Radiology Externship	7
RADT 162 C	Radiology Special Procedures	3
RADT 252 C	Radiobiology	1.5
RADT 253 C	Radiation Laws and Ethics	1.5
SUMMER INTERSESSION (7.5 units)		
RADT 254 C	Clinical Internship I	6.5
RADT 196 C	Selected Topics I	1
SEMESTER 3 (13 units)		
RADT 255 C	Clinical Internship II	12
RADT 197 C	Selected Topics II	1
SEMESTER 4 (13 units)		
RADT 256 C	Clinical Internship III	12
RADT 198 C	Selected Topics III	1
Total Units		66.5

Note: Non-refundable supplemental materials charges will apply to some of the above courses in this program.

PROGRAM GOALS AND OBJECTIVES

1. To provide students with a balance of instruction in radiologic technology courses as well as support courses.
2. To provide students with knowledge and skill to perform radiologic technology procedures.
3. To facilitate development of applied skills in effective communication, critical thinking, and problem solving in the practice of radiography.
4. To provide clinical experience compliment didactic instruction and develop clinical skills required for professional practice.
5. To provide an environment that encourages personal and professional growth.
6. To promote values of compassion, respect, understanding, and dignity in providing care to patients during imaging procedures.
7. To provide the health care community with graduate entry level radiographers skilled in diagnostic imaging procedures.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1415

Imaging Technologist Assistant Certificate

Division: Health Science

Program Code: 1C10449

Financial Aid Eligible

The **Imaging Technologist Assistant Program** prepares a student for an entry-level position as an imaging assistant in a health care facility such as a hospital, private physician's office, or clinic. This program can be completed in one year. To earn a certificate the student must complete

the 16 units of required courses with a minimum grade of "C". At least 50% of all course work must be completed at Cypress College.

Code	Title	Units
Required Courses Are Listed in Suggested Sequence		
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
HS 145 C	Survey of Medical Terminology	3
CIS 111 C	Computer Information Systems	3
RADT 153 C	Radiography Patient Care	3
RADT 146 C	Introduction to Radiography	4
Total Units		17

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=433

Radiologic Technology Certificate

Division: Health Science

PROGRAM CODE: 1C21114

Financial Aid Eligible

The **Radiologic Technology Certificate**: To earn a certificate, students must have previously earned an Associate Degree and have completed all of the Cypress College Radiologic Technology Program requirements with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 66.5 units.

Code	Title	Units
Required Courses are listed in suggested sequence:		
SEMESTER 1 (15 Units)		
RADT 148 C	Radiology Imaging Techniques (formerly Radiologic Technology)	4
RADT 150 C	Radiographic Positioning I (formerly Radiologic Positioning)	5
RADT 153 C	Radiography Patient Care ¹	3
HS 147 C	Survey of Disease	3
Total Units		15

Code	Title	Units
SEMESTER 2 (18 Units)		
RADT 247 C	Radiographic Positioning II	5
RADT 251 C	Radiology Externship	7
RADT 162 C	Radiology Special Procedures	3
RADT 252 C	Radiobiology ¹	1.5
RADT 253 C	Radiation Laws and Ethics ¹	1.5
Total Units		18

Code	Title	Units
SUMMER INTERSESSION (7.5 units)		
RADT 254 C	Clinical Internship I	6.5
RADT 196 C	Selected Topics I	1
Total Units		7.5

Code	Title	Units
SEMESTER 3 (13 units)		
RADT 255 C	Clinical Internship II	12
RADT 197 C	Selected Topics II	1
Total Units		13

Code	Title	Units
SEMESTER 4 (13 units)		
RADT 256 C	Clinical Internship III	12
RADT 198 C	Selected Topics III	1
Total Units		13

Code	Title	Units
TOTAL UNITS (Complete Program): ²		66.5

¹ May be taken prior to enrollment in the program.

² The Total Units sum for the complete program does not include Program Prerequisite units

Note: Non-refundable supplemental materials charges will apply to some of the above courses in this program.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1416

Minimum Standards For Applicants

1. Eligibility for admission to Cypress College.
2. High school graduation, or completion of the General Education Development (GED) test, or high school proficiency test.
3. Minimum age of 17 years.
4. Present evidence of good physical and mental health, as determined by medical examination upon admission to program and prior to enrollment.
5. Overall GPA of 2.0 in all college classes taken.
6. Must have own transportation to all affiliated hospitals.
7. Eligibility for ENGL 100 C.
8. Completion of 9 units of General Education. (See General Education requirements in catalog.)
9. Enrollment in, or completion of, program prerequisites.

Application Procedures

1. A separate application, in addition to the college application form, is required for admission into the Radiologic Technology program.
2. Application must be completed online during the month of February. Please see the Health Science Application link on the Radiology Technology home page.
3. Applicants must submit official transcripts (except Cypress and Fullerton Colleges) and signature page of application in person to the Health Science Applications office. Health Science Building, Cypress College 9200 Valley View Street, Cypress, California 90630-5897 by March 15. Please bring photo identification.

4. It is the applicant's responsibility to verify that evidence of criteria is on file.

Selection Procedures

Applications normally exceed capacity. Selection of applicants is based on accumulation of points. (Criteria is subject to change. For information see a Health Science Counselor.)

Program Prerequisites

Foundation courses are required prior to admission to the program. The following required courses plus a minimum of 9 general education units which must include MATH 040 C or any transfer level Math, must be completed by the end of the spring semester with a minimum grade of "C" in each course to be considered for the fall (August) class.

Code	Title	Units
Program Prerequisites: (24-25 units)		
HS 145 C	Survey of Medical Terminology	3
BIOL 210 C	Anatomy and Physiology	4-5
or BIOL 231 C	General Human Anatomy	
RADT 142 C	Radiologic Electronics	4
RADT 146 C	Introduction to Radiography	4
General Education		9
Total Units		24-25

Radiologic Technology Curriculum

Radiologic Technology courses must be taken in a specific sequence. Students must obtain a grade of C or better in all required courses to continue in the program. The three (3) semester internships will begin during the summer session following semester 2 of the curriculum and continue until June of the following year.

All courses, including general education courses, to satisfy the Associate Degree (refer to Cypress' Associate Degree requirements) must be completed prior to the end of the internship year. Upon completion of the program and Associate Degree requirements, the student will be eligible for the State Certification and National Registry Examinations. For further information, contact a Health Science Counselor, (714) 484-7270.

Recreation

Division: Kinesiology

Division Dean

Colin Preston

Faculty

Mark Canner

Counselor

Erose Rice
Joseph Jimenez

Transfer Program – Recreational Leadership

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Recreation Assistant Certificate

Recreation Assistant Certificate

Division: Kinesiology

PROGRAM CODE: 1C37194

Financial Aid Eligible

The **Recreation Assistant Certificate** Primary emphasis is to prepare the student for introductory level of recreation and leisure career opportunities. All students must complete at least 16 units. Course work in KIN 235 C may use credit for prior learning approval based on current Red Cross cards in First Aid and CPR at the discretion of the division. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (9 units):		9
REC 100 C	Foundations of Recreation and Leisure Services	3
REC 102 C	Recreation - Sport Leadership and Diverse Groups	3
KIN 235 C	First Aid, CPR and Emergencies (formerly PE 235 C)	3
Select from the elective courses listed below (7).		7
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	
KIN 100 C - KIN 201 C (1 units) Activity Courses		
KIN 230 C	Introduction to Kinesiology (formerly PE 252 C)	3
KIN 236 C	Athletic Injuries-Prevention and Care (formerly PE 236 C)	3
KIN 247 C	Sports Management (formerly PE 247 C)	3
KIN 248 C	Psychology of Sport	3
KIN 249 C	Sport and United States Society (formerly PE 250 C)	3
KIN 272 C	Strength and Conditioning	3
KIN 274 C	Exercise Testing and Prescription	3

KIN 295 C Kinesiology - Internship Seminar

3

Total Units**16****Program Student Learning Outcomes:**

OUTCOME 1: Demonstrate introductory level of knowledge, skills, and abilities in recreation and leisure careers.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1726

Social Sciences

Division: Social Sciences

Division Dean

Dr. Randy Martinez

Counselors

Mymy Lam
Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Sociology

Division: Social Sciences

Division Dean

Dr. Randy Martinez

Faculty

Larry Curiel
Regina Rhymes

Counselors

Dr. Therese Mosqueda-Ponce
Daniel Pelletier

Sociology Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Sociology Associate in Arts Degree for Transfer (AA-T)

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, and C-Critical Thinking, Problem Solving, and Information Competency Skills; specifically, the following ISLO/PSLO subcategories: A1-Social Sciences, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, and C1-Analysis.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Sociology Associate in Arts Degree for Transfer (AA-T)

Division: Social Sciences

PROGRAM CODE: 1A31003

Financial Aid Eligible

The **Sociology Associate in Arts Degree for Transfer** (AA-T in Sociology) is designed to provide an opportunity for the Sociology major to achieve an Associate in Arts in Sociology for Transfer (AA-T in Sociology) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. Sociology is the study of social life, social systems, social change and the social causes and consequences of human behavior. Sociology is based on the idea that the understanding of the dynamic structure of social life will allow analysis of present situations against the backdrop of larger social realities and lead to effective responses to those situations. The AA-T in Sociology includes the study of sociological theories and knowledge, the scientific foundations of sociology, and the application of the sociological perspective to various, specific areas of social life. The curriculum is designed to provide students with an introduction and overview of the field. It offers an opportunity to examine the field in detail and to identify possible personal directions for further study. Sociology gives students a solid basis for many career paths and can be enhanced with multi-disciplinary study in related fields. To earn an AA-T in Sociology students must complete: (1) 19-20 semester units or 28.5-30 quarter units in the Sociology major with a minimum grade of "C"; .AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core: (10 units)		
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	
SOC 102 C	Social Problems	3
SOC 161 C	Probability and Statistics-Social Sciences	4
or SOC 161HC	Honors Probability and Statistics-Social Sciences	
or PSY 161 C	Probability and Statistics-Social Sciences	
or PSY 161HC	Honors Prob Stats-Soc Sci	
or STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	
List A: Select two courses from the list below (6-7 units)		6-7
SOC 125 C	Sociology Research Methods	3-4
or PSY 202 C	Research Methods in Psychology	
PSY 202 C	Research Methods in Psychology	4
SOC 275 C	Marriage and Family	3
SOC 225 C	Sociology of Women	3
SOC 292 C	Introduction to Criminology	3
PSY 251 C	Social Psychology	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
List B: Select one course from the list below or any course from List A not already taken (3 units)		3
SOC 250 C	Sociology of Aging	3
SOC 277 C	Sociology of Religion	3
SOC 280 C	Media, Culture, and Society	3
SOC 290 C	Sociology of Contemporary Race and Ethnic Relations	3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
PSY 120 C	Human Sexuality	3

PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
ANTH 102 C	Cultural Anthropology	3
	or ANTH 102HC Honors Cultural Anthropology	
GEOG 160 C	Cultural Geography	3
Total Units		19-20

Program Student Learning Outcomes

OUTCOME 1: Summarize the critical terminology, theoretical orientations, principles, and methods used in the field of Sociology.

OUTCOME 2: Employ a comparative approach to analyzing class, race, gender, age, culture, economic systems, religions, governments, health care, politics, education, and medicine.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1525

Spanish

Division: Language Arts

Division Dean

Dr. Janet Vera Lopez

Faculty

Samanta de Frutos Garcia
Karen LeCorney

Counselors

Mymy Lam
Daniel Pelletier
Dr. Therese Mosqueda-Ponce

Spanish Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

- Associate in Arts in Spanish for Transfer

The courses taught by this department contribute to the General Education and Basic Skills Program Learning Outcomes. Please refer to General Education and Basic Skills Program Learning Outcomes.

Spanish Associate in Arts Degree for Transfer (AA-T)

Division: Language Arts

PROGRAM CODE: 1A37312

Financial Aid Eligible

The **Spanish Associate in Arts Degree for Transfer (AA-T)** is designed to provide an opportunity for the Spanish major to achieve a Spanish Associate in Arts Degree for Transfer (AA-T in Spanish) which completes the first-and-second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Spanish or a similar major at a California State University (CSU) campus. 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," a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is designated "high-unit" major). Students should meet with a counselor regularly to discuss the best option for them. This AA-T in Spanish is designed to provide the student with a fundamental understanding and acquisition of knowledge in the Spanish discipline. The AA-T in Spanish includes (1) the development of reading skills in order to comprehend and interpret social, cultural, and literary authentic texts; (2) the development of speaking skills in order to discuss social, cultural, and literary topics; and (3) the development of writing skills in order to write analytically on professional, academic, and societal issues. The curriculum includes courses in first and second year Spanish, Chicano Studies, and Latin American History. Given the ever-increasing Latino population in California and nation-wide, fluency in Spanish has value in a number of fields, such as customer service, marketing, and public relations. Those who pursue degrees in Spanish can pursue K-12 and college level teaching as career. To earn an AA-T in Spanish students must complete: (1) A minimum of 22-25 semester units or 33-37.5 quarter units in the Spanish major with a minimum grade of "C"; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) California General Education Transfer Curriculum (Cal-GETC); (3) elective courses to complete a minimum of 60 units of CSU transferable coursework; (4) have an overall GPA of 2.0. This degree requires a total of 20-23 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Core Courses: Non-Native Speakers Core (18 units):		
SPAN 101 C	Elementary Spanish I	5
SPAN 102 C	Elementary Spanish II	5
SPAN 203 C	Intermediate Spanish III	4

SPAN 204 C	Intermediate Spanish IV	4
Native Speakers Core (10 units, plus 2 courses from substitution course list or List A below for a minimum of 16 core units):		

SPAN 201 C	Spanish for Spanish Speakers I	5
SPAN 202 C	Spanish for Spanish Speakers II	5

Note: If the Spanish faculty assess a student as placing out of a Core Course, a substitute course from the CSU Transferable list below, or List A, can be used to meet the core minimum unit requirement.

Substitution Courses:		
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC Honors Cultural Anthropology		
ANTH 105 C	Introduction to Linguistic Anthropology	3
ART 216 C	Latin American Art	3
COMM 120 C	Intercultural Communication	3
ENGL 250 C	Latino-a-x Literature	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC Honors American Ethnic Studies		
ETHS 150 C	Introduction to Chicana-o-x Studies	3
ETHS 151 C	Chicana-o-x History I	3
or ETHS 152 C Chicana-o-x History II		
GEOG 160 C	Cultural Geography	3
HIST 142 C	History of Latin America I	3
HIST 143 C	History of Latin America II	3
HIST 163 C	History of Mexico	3
LING 101 C	Introduction to Language	3
SOC 101 C	Introduction to Sociology	3
or SOC 101HC Honors Introduction to Sociology		
SOC 225 C	Sociology of Women	3

List A: Required for Native and Non-Native Speakers - Select a minimum of one course (4-5 units) from the following:

CHIN 101 C	Elementary Chinese-Mandarin I	5
CHIN 102 C	Elementary Chinese-Mandarin II	5
CHIN 203 C	Intermediate Chinese-Mandarin III	5
CHIN 204 C	Intermediate Chinese-Mandarin IV	4
FREN 101 C	Elementary French I	5
FREN 102 C	Elementary French II	5
FREN 203 C	Intermediate French III	4
FREN 204 C	Intermediate French IV	4
JAPN 101 C	Elementary Japanese I	5
JAPN 102 C	Elementary Japanese II	5
JAPN 203 C	Intermediate Japanese III	4
JAPN 204 C	Intermediate Japanese IV	4

TOTAL HOURS: 20-23

Program Student Learning Outcomes

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1561

Theatre Arts

Division: Visual and Performing Arts

Division Dean

Dr. Kellori Dower

Faculty

Donald Jackson
Jennifer McMillin

Counselors

Renay Laguana-Ferina
Renee Ssensalo

Course Repeatability Limitations

Effective 2013, most active participatory courses in Art, Dance, Theater, Music, and Physical Education are no longer repeatable. The courses in the table below are related in content and therefore have been identified in distinct “family” groupings in which students are limited to a maximum of 4 course enrollments per family (withdrawals and substandard grades will be counted towards the 4 enrollment maximum). Note: Exceptions for courses still designated as repeatable are indicated in course descriptions of the college catalog and class schedules with the statement, “May be taken for credit ____ times.” If students are majoring in any of these disciplines, they are advised to see their counselor to discuss options.

Discipline	Family/Related Courses	Courses Related in Content
Theatre Arts	Acting Technique	THEA 120 C, THEA 124 C, THEA 125 C, THEA 220 C
	Musical Theater Technique	THEA 126 C, THEA 127 C, THEA 226 C, THEA 227 C
	Acting for Camera	THEA 128 C, THEA 228 C
	Rehearsal and Performance	THEA 133 C, THEA 136 C, THEA 234 C, THEA 238 C
	Performance for Musical Theater	THEA 132 C, THEA 135 C, THEA 232 C, THEA 233 C
	Stage Crew	THEA 149 C, THEA 150 C, THEA 151 C, THEA 152 C

Theatre Arts Exceptions Vocational Competition THEA 130 C Acting Workshop

¹ Students are limited to four (4) semester enrollments – in Active Participatory courses – whether in a single course or in a combination of courses grouped within a family. All enrollments in courses (including enrollments in the same repeatable course) within a family count toward the maximum enrollment limitation of four (4) semester enrollments. This includes evaluative (A, B, C, D, F, P, NP) and non-evaluative (I, IP, RD, and W) grades earned. All letter grades received will be counted in GPA.

Theatre Arts Transfer Program

Students should consult a counselor or www.assist.org for lower division major requirements for most California public universities. (See the Standard Definitions section of the catalog for a description of ASSIST.) Students transferring to an independent college/university should consult the catalog of the individual school and a counselor for lower division major requirements.

Patrons of the Arts

The Cypress College Patrons of the Arts is a non-profit, tax-exempt organization that functions under the auspices of the Cypress College Foundation. It was founded in 1975 to encourage community participation in the college’s visual & performing arts programs and exhibits, foster cultural, visual, and performing arts activities at the college, and to raise funds to provide scholarships to talented students in the fields of:

Art
Dance
Journalism
Media Arts Design1
Music
Photography
Theatre

Please contact the Cypress College Patrons of the Arts at tchevalier@CypressCollege.edu or (714) 484-7139 for further information.

- Acting for Stage & Screen Certificate
- Associate in Arts Degree Theatre Arts Performance
- Associate in Arts in Theatre Arts for Transfer Degree (AA-T)
- Costume and Makeup Design Certificate
- Lighting and Sound Design Certificate
- Musical Theatre Performance Certificate
- Scenic Design Certificate
- Stage Management
- Technical Theatre Certificate
- Theatre Design Associate in Science Degree

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Humanities and the Arts, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C5-Technology, and D3-Equity.

Given a performance or production setting, students will:

- Demonstrate their knowledge and comprehension of major theater practices and standards.
- Use theatrical techniques to communicate to an audience.
- Analyze, evaluate and create production and performance elements.
- Demonstrate their knowledge and ability to appreciate theater as an art form and their ability to collaborate with other theater practitioners as self defining artists.

Degree & Certificate Program Student Learning Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Theatre Arts Performance Associate in Arts Degree

Division: Visual and Performing Arts

PROGRAM CODE: 1A03779A

Financial Aid Eligible

The **Theatre Arts Performance Associate in Arts Degree** is designed to prepare the student with a fundamental understanding and acquisition of knowledge in the theater arts discipline with an emphasis on acting and performance. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Native General Education requirements; California State University General Education Breadth requirements (CSU GE Breadth) or IGETC General Education requirements; (3) Social Justice, Equity and Sustainability and reading requirements; (4) any elective courses to complete a minimum of 60 units; and, (5) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires a total of 22-24 units.

Code	Title	Units
Required Theater Courses are listed in suggested sequence (6 units):		
THEA 100 C	Introduction to the Theatre	3
THEA 102 C	World Theatre History	3
or THEA 107 C	Diversity in American Theatre	
or THEA 107HC	Honors Diversity in American Theatre	
or THEA 101 C	Play Analysis	
Technique Courses - Select from the following according to emphasis (11-12 units):		11-12
THEA 120 C	Acting I	3
or THEA 126 C	Musical Theatre Techniques I	
THEA 121 C	Dynamic Movement for the Stage	2
or THEA 129 C	Voice and Diction	
THEA 124 C	Acting II	3
or THEA 127 C	Musical Theatre Techniques II	
THEA 125 C	Acting III	3
or THEA 226 C	Musical Theatre Techniques III	
Design Courses - Select from the following (3 units):		3
THEA 140 C	Introduction to Theatre Design	3
THEA 143 C	Stagecraft	3
THEA 144 C	Lighting Design for Theatre	3
THEA 145 C	Costume Design for Theatre	3
THEA 147 C	Stage Makeup	3
Theater Courses - Select from the following categories according to emphasis (2-3 units):		2-3
<i>Recommended for all theatre arts students:</i>		
THEA 107 C	Diversity in American Theatre	3
or THEA 107HC	Honors Diversity in American Theatre	
THEA 102 C	World Theatre History	3
THEA 225 C	Directing for the Theatre	3
THEA 108 C	Playwriting (formerly Stage and Screenwriting)	3
<i>Recommended for all Acting students according to emphasis:</i>		
THEA 121 C	Dynamic Movement for the Stage	2
THEA 128 C	Acting for the Camera	2
THEA 129 C	Voice and Diction	3
THEA 220 C	Acting IV	3
THEA 227 C	Musical Theatre Techniques IV	3
<i>Recommended for Performance students:</i>		
THEA 130 C	Acting Workshop	2-3
THEA 132 C	Musical Theatre Performance I	2-3
THEA 133 C	Rehearsal Performance I	2-3
THEA 135 C	Musical Theatre Performance II	2-3
THEA 136 C	Rehearsal Performance II	2-3
THEA 137 C	Summer Musical Theater Workshop I	1-2
THEA 138 C	Summer Musical Theater Workshop II	1-2
THEA 149 C	Stage Crew I - Running	1-2
THEA 150 C	Stage Crew II-Production Preparation	1-2
THEA 151 C	Stage Crew III Costume Makeup	1-2
THEA 152 C	Stage Crew IV House Box Office	1-2
THEA 232 C	Musical Theatre Performance III	2-3
THEA 233 C	Musical Theatre Performance IV	2-3

THEA 234 C	Rehearsal Performance III	2-3
THEA 235 C	Experimental Theatre	2
THEA 236 C	Summer Theater Workshop I	1-2
THEA 237 C	Summer Theater Workshop II	1-2
THEA 238 C	Rehearsal Performance IV	2-3
Total Units		22-24

Program Student Learning Outcomes:

OUTCOME 1: Upon completion students will have comprehensive understanding of story, analysis, and performative obligations. Students will have demonstrated and embodied character, presence, instinct, action, objective, and obstacle.

OUTCOME 2: Upon completion students will obtain the knowledge necessary to understand the broad theatrical landscape, preparing them for entry into the industry.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1349

Theatre Arts Associate in Arts Degree for Transfer (AA-T)

Division: Visual and Performing Arts

PROGRAM CODE: 1A32187

Financial Aid Eligible

The **Theatre Arts Associate in Arts Degree for Transfer** is designed to provide an opportunity for the Theatre major to achieve an Associate in Arts in Theatre for Transfer (AA-T in Theatre) which completes the first and second year requirements for transfer to a four-year public California institution. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. The study of theatre combines a critical study of theatre with experiential practice in one or more of its component parts. Students explore the various areas of theatre to build a foundation for future creative work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Theatre or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. 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", a newly established variation of the associate degrees traditionally offered at a California community college. The AA-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) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T will be required to complete

no more than 60 units after transfer to earn a bachelor's degree (unless the major is 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. The completion of this curriculum will demonstrate commitment to the Theater field and provide comprehensive preparation for upper-division work. To earn an AA-T in Theatre students must complete the following requirements: (1) a minimum of 18 semester units or 27 quarter units in the Theater major with a grade of C or better; AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better; (2) California State University General Education Breadth requirements (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (CSU IGETC); (3) completion of 60 semester or 90 quarter units of CSU transferable coursework; and (4) have an overall GPA of 2.0.

Code	Title	Units
Required Core: 3 units must be taken from Performance and Production courses plus 6 additional units. (9 units)		9
THEA 100 C	Introduction to the Theatre	3
or THEA 102 C	World Theatre History	
THEA 120 C	Acting I	3
THEA 132 C	Musical Theatre Performance I	2-3
THEA 133 C	Rehearsal Performance I	2-3
THEA 149 C	Stage Crew I - Running	1-2
THEA 150 C	Stage Crew II-Production Preparation	1-2
THEA 151 C	Stage Crew III Costume Makeup	1-2
THEA 152 C	Stage Crew IV House Box Office	1-2
List A: Select three (9 units) Performance and Production courses can be taken for 3 units, if not already taken as part of required core.		9
THEA 101 C	Play Analysis	3
THEA 124 C	Acting II	3
THEA 140 C	Introduction to Theatre Design	3
THEA 143 C	Stagecraft	3
THEA 144 C	Lighting Design for Theatre	3
THEA 145 C	Costume Design for Theatre	3
THEA 147 C	Stage Makeup	3
THEA 132 C	Musical Theatre Performance I ¹	2-3
or THEA 149 C	Stage Crew I - Running	
or THEA 133 C	Rehearsal Performance I	
or THEA 150 C	Stage Crew II-Production Preparation	
or THEA 151 C	Stage Crew III Costume Makeup	
or THEA 152 C	Stage Crew IV House Box Office	
Total Units		18

¹ Please note if a student does not take THEA 132 C or THEA 133 C for the required core, one of these courses may be completed for these required 9 units, or a minimum of two Stage Crew courses may be completed for a total of 3 units only. (EX: 1 course taken at 1 unit and the second course taken at 2 units.)

Program Student Learning Outcomes:

OUTCOME 1: Upon completion of this degree students will have entry-level knowledge in the world of general theatre, which includes careers in performance and production. This degree also allows them to further their knowledge in a 4-year institution.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1367

Acting for Stage & Screen Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C33962

Financial Aid Eligible

The **Acting for Stage and Screen Certificate** consists of theatre courses and multimedia arts courses. This prepares students for careers, position advancements and/or higher-level degrees through practical, real-world and community experiences in and out of the classroom. The combination of courses enables the student to develop the skills in acting and basic digital video production necessary for professional competency in the entertainment industry. The required courses (19-20 units) must be completed with a grade of C or better. At least 50% of the course work must be completed at Cypress College. This certificate requires a total of 22-23 units.

Code	Title	Units
Required courses are listed in suggested sequence (19-20 units):		
THEA 120 C	Acting I	3
THEA 128 C	Acting for the Camera	2
THEA 225 C	Directing for the Theatre	3
THEA 124 C	Acting II	3
THEA 134 C	Auditions for Theater and Film	1
THEA 129 C	Voice and Diction	3
THEA 133 C	Rehearsal Performance I	2-3
THEA 121 C	Dynamic Movement for the Stage	2
Select one of the following courses (3 units):		3
THEA 108 C	Playwriting (formerly Stage and Screenwriting)	3
MAD 108 C	Digital Video Production (formerly Digital Video Production I-Windows)	3
Total Units		22-23

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills necessary to create digital media b) Acquire the knowledge and skills necessary to critically analyze scripts and fulfill the obligations of the story.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1351

Costume and Makeup Design Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C12955

Financial Aid Eligible

The **Costume and Makeup Design Certificate** is designed to prepare the student for occupational competency in the field of costume/makeup design for theatre. To earn a certificate, the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 15-17 units

Code	Title	Units
Required courses are listed in suggested sequence (13-14 units):		
THEA 145 C	Costume Design for Theatre	3
ART 182 C	Beginning Drawing	3
or ART 185 C	Beginning Life Drawing	
THEA 147 C	Stage Makeup	3
THEA 151 C	Stage Crew III Costume Makeup	1-2
THEA 111 C	Industry Prep for Theatre	3
Elective courses 2-3 units from the following (2-3 units):		2-3
THEA 247 C	Prosthetic Makeup	3
THEA 149 C	Stage Crew I - Running	1-2
or THEA 150 C	Stage Crew II-Production Preparation	
or THEA 152 C	Stage Crew IV House Box Office	
Total Units		15-17

Program Student Learning Outcomes:

OUTCOME 1: Upon completion of this certificate students should be able to demonstrate competency in the artistic and technical skills required of a costume or makeup designer in theatre.

OUTCOME 2: Upon completion of this certificate students should be able to demonstrate competency in current gear and equipment related to the field of costume and makeup design.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1352

Lighting and Sound Design Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C2956

Financial Aid Eligible

The **Lighting and Sound Design Certificate** is designed to prepare the student in occupational competency in lighting and sound design for theatre. To earn a certificate, the required courses must be completed as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 22-23 units.

Code	Title	Units
Required courses are listed in suggested sequence (22-23 units):		
THEA 140 C	Introduction to Theatre Design	3
THEA 142 C	Sound Design for Theatre	3
or MUS 124 C	Recording Studio I	
THEA 141 C	Video and Projection Design for Theatre	3
THEA 144 C	Lighting Design for Theatre	3
THEA 160 C	Computer Drafting for Theatre	3
THEA 111 C	Industry Prep for Theatre	3
THEA 149 C	Stage Crew I - Running	1-2
or THEA 150 C	Stage Crew II-Production Preparation	
THEA 110 C	Stage Management for Theatre	3
Total Units		22-23

Program Student Learning Outcomes:

OUTCOME 1: Upon completion of this certificate students will be able to show creative and technical skills needed for entry-level careers in Lighting and Sound Design

OUTCOME 2: Upon completion of this certificate students should be able to demonstrate competency in current gear and equipment related to the industry of lighting and sound design.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1247

Musical Theatre Performance Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C35020A
Financial Aid Eligible

The **Musical Theatre Performance Certificate** is designed to prepare the student for performance competency in the field of Musical Theatre. The Musical Theatre Certificate requires a total of 29-31 units, 26-27 units of which are required courses and as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires 29-31 units.

Code	Title	Units
Required courses are listed in suggested sequence: (26-27 units)		
MUS 101 C	Music Fundamentals	3
THEA 120 C	Acting I	3
MUS 124 C	Recording Studio I	3
THEA 126 C	Musical Theatre Techniques I	3
THEA 127 C	Musical Theatre Techniques II	3
THEA 132 C	Musical Theatre Performance I	2-3
or THEA 135 C	Musical Theatre Performance II	
or THEA 232 C	Musical Theatre Performance III	
or THEA 233 C	Musical Theatre Performance IV	
THEA 226 C	Musical Theatre Techniques III	3
THEA 227 C	Musical Theatre Techniques IV	3
THEA 105 C	Musical Theatre History	3

Select two courses from the following:(3-4 units)		3-4
DANC 105 C	Ballet I	2
DANC 106 C	Ballet II	2
DANC 111 C	Jazz Dance I	2
DANC 112 C	Jazz Dance II	2
DANC 113 C	Tap Dance I	1
DANC 114 C	Tap Dance II	1
Total Units		29-31

Program Student Learning Outcomes:

OUTCOME 1: Develop in the student a skill set of performance techniques and that will lead to success in the musical theatre field and all the various venues it encompasses.

OUTCOME 2: Utilize a sequence of courses that will lead to improvement of the performers audition skills and abilities to perform onstage at a professional level.

OUTCOME 3: Identify professional performance opportunities in the musical theatre field, such as civic light opera, regional theatre, Las Vegas showrooms, cruise line productions, Broadway theatre, national and international theatrical tours, film and television.

OUTCOME 4: Advance student understanding of the professional aspects of the theatrical entertainment industry.

OUTCOME 5: Develop professional performance behavior and ethics that will embrace the standard expected of performers by professional theatrical producers and production companies

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1590

Theatre Design Associate in Science Degree

Division: Visual and Performing Arts

PROGRAM CODE: 1S37193A
Financial Aid Eligible

The **Theatre Design Associate in Science Degree** is designed to prepare the student with a fundamental understanding and acquisition of knowledge in the theatre arts discipline with an emphasis on production through set design, construction and costuming with attention to stagecraft, function, and aesthetics. To earn an Associate Degree students must complete: (1) all major course requirements with a grade of C or better; (2) Cypress College Local General Education requirements or the California General Education Transfer Curriculum (Cal-GETC) requirements; (3) any elective courses to complete a minimum of 60 units; and, (4) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center. This degree requires 25-26 units in the major, in addition to other degree requirements.

Code	Title	Units
Required Theatre and Skills courses (18 units):		
THEA 110 C	Stage Management for Theatre	3
THEA 111 C	Industry Prep for Theatre	3
THEA 140 C	Introduction to Theatre Design	3
THEA 143 C	Stagecraft	3
THEA 160 C	Computer Drafting for Theatre	3
ART 182 C	Beginning Drawing	3
Select 6 units from Design or Directing courses below (6 units):		6
THEA 141 C	Video and Projection Design for Theatre	3
THEA 142 C	Sound Design for Theatre	3
THEA 144 C	Lighting Design for Theatre	3
THEA 145 C	Costume Design for Theatre	3
THEA 146 C	Scenic Painting	3
THEA 147 C	Stage Makeup	3
THEA 161 C	Scenic Design for Theatre	3
THEA 247 C	Prosthetic Makeup	3
THEA 225 C	Directing for the Theatre	3
or THEA 101 C	Play Analysis	
or THEA 107 C	Diversity in American Theatre	
or THEA 107HC	Honors Diversity in American Theatre	
Select from the following production classes according to emphasis (1-2 units):		1-2
THEA 149 C	Stage Crew I - Running	1-2
THEA 148 C	Production Techniques I	0.5-3
THEA 150 C	Stage Crew II-Production Preparation	1-2
THEA 151 C	Stage Crew III Costume Makeup	1-2
THEA 152 C	Stage Crew IV House Box Office	1-2
THEA 155 C	Production Techniques II	0.5-3
Total Units		25-26

Program Student Learning Outcomes:

OUTCOME 1: Upon completion of the design degree students should be able to demonstrate entry-level knowledge in the theatre design emphasis of their choosing. This includes lighting, scenery, projections, sound, costumes and makeup.

OUTCOME 2: Upon completion of this degree students should be able to demonstrate knowledge in current theatre design equipment/gear, and produce industry standard work.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1350

Technical Theatre Certificate

Division: Visual and Performing Arts

PROGRAM CODE: 1C12962N

The **Technical Theatre Certificate** is designed to prepare the student for occupational competency as a theatrical technician or stagehand. To earn a certificate, the required courses as listed with a grade of C or better. At

least 50% of all course work must be completed at Cypress College. This certificate requires a total of 22-23 units.

Code	Title	Units
Required courses are listed in suggested sequence (16-17 units):		
THEA 100 C	Introduction to the Theatre	3
THEA 160 C	Computer Drafting for Theatre	3
THEA 143 C	Stagecraft	3
THEA 146 C	Scenic Painting	3
THEA 149 C	Stage Crew I - Running	1-2
or THEA 150 C	Stage Crew II-Production Preparation	
THEA 111 C	Industry Prep for Theatre	3
Required Design Courses (6 units)		6
THEA 140 C	Introduction to Theatre Design	3
THEA 141 C	Video and Projection Design for Theatre	3
THEA 142 C	Sound Design for Theatre	3
THEA 144 C	Lighting Design for Theatre	3
THEA 145 C	Costume Design for Theatre	3
THEA 161 C	Scenic Design for Theatre	3
THEA 147 C	Stage Makeup	3
THEA 247 C	Prosthetic Makeup	3
Total Units		22-23

Program Student Learning Outcomes:

OUTCOME 1: Upon completion of this technical certificate, students should be able to demonstrate entry-level knowledge in the of field of technical theatre.

OUTCOME 2: Upon completion of this technical certificate, students should be able to operate or program current gear or software applicable to the jobs of a theatrical technician, stagehand, electrician, scenic painter or other related career path.

http://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1347

Scenic Design Certificate

Division: Fine Arts

PROGRAM CODE: 1C43440N

Financial Aid Eligible

This certificate in scenic design is designed to prepare the student in occupational competency in scenic design for theatre. To earn a certificate, the required courses must be completed as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 24 units.

Code	Title	Units
THEA 100 C	Introduction to the Theatre	3
THEA 161 C	Scenic Design for Theatre	3
THEA 146 C	Scenic Painting	3
THEA 143 C	Stagecraft	3
THEA 160 C	Computer Drafting for Theatre	3
ART 182 C	Beginning Drawing	3
THEA 141 C	Video and Projection Design for Theatre	3
THEA 144 C	Lighting Design for Theatre	3
Total Units		24

Program Student Learning Outcomes:

OUTCOME 1: Upon completion of this certificate students will have entry-level knowledge in the career of Set Designer and should be able to demonstrate approaches to design from an industry-modeled level.

OUTCOME 2: Upon completion of this certificate students should be able to demonstrate competency in current gear and equipment used in the field of scenic design.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1346

Stage Management Certificate

Division: Fine Arts

PROGRAM CODE: 1C43441N

Financial Aid Eligible

The Certificate in Stage Management is designed to prepare the student for occupational competency in the field of Stage Management for live events, such as theatre, opera or dance. To earn a certificate, students must complete the required courses as listed, with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 20-22 units.

Code	Title	Units
THEA 110 C	Stage Management for Theatre	3
BUS 262 C	Principles of Management	3
MUS 101 C	Music Fundamentals	3
THEA 111 C	Industry Prep for Theatre	3
THEA 100 C	Introduction to the Theatre	3
or THEA 140 C	Introduction to Theatre Design	
THEA 101 C	Play Analysis	3

or THEA 225 C	Directing for the Theatre	
THEA 149 C	Stage Crew I - Running	1-2
or THEA 148 C	Production Techniques I	
THEA 150 C	Stage Crew II-Production Preparation	1-2
or THEA 155 C	Production Techniques II	
or THEA 152 C	Stage Crew IV House Box Office	

Total Units **20-22**

Program Student Learning Outcomes:

OUTCOME 1: Upon completion of this program students will have entry-level training in the role of a professional stage manager for theatrical productions.

OUTCOME 2: Upon completion of this program students should be able to display knowledge and understanding of working with and managing actors, directors and designers for a theatrical production

OUTCOME 3: Upon completion of this program students should have an understanding of a stage manager's prompt book and the professional standard for calling cues during a live production.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1225

Distance Education

Distance education is college instruction in which the instructor and student are separated by distance and communicate with the assistance of technology. These courses provide the same quality of Cypress College instruction, teach the same material, are transferable to most four-year baccalaureate institutions, and require the same fees as our traditional in-person classes.

To take a distance education course, students need access to a computer with an Internet connection and have a functioning email address.

Students may also need to have a camera and microphone for synchronous Zoom courses. Distance education students must, at a minimum, be able to:

- Send and receive email with attachments
- Receive private email with attachments (no shared email accounts)
- Use a word processing program
- Save documents
- Navigate and search the Internet
- Install new software applications
- Due to testing environments, a student may need access to a working computer camera and microphone

Absences in a Distance Education course are accounted for by monitoring academic attendance or attendance at an academically-related activity. A student will be considered to be “present” in a course if there is evidence of weekly participation in an academically-related activity including, but not limited to, physically attending in-person sessions of a hybrid course, submitting an academic assignment, taking an exam, substantively participating in a course online discussion, study group, or other synchronous or asynchronous activity, or by initiating contact with the instructor in matters related to the course.

A student will be considered “absent” when there is no evidence of participation in an academically-related activity for the course for more than one week or if the student accumulates a consecutive or non-consecutive lack of academically-related activities of more than a week that is more than the number of times the class meets per week. For example, in a three-unit online class that would typically meet on campus three hours a week, one week’s worth of missed academically-related assignment(s) or activity(ies) could be grounds for dismissal. A student who has not submitted assignments or participated in an academically-related activity for one week may be dropped from the course. It is the responsibility of the instructor to define grounds for dismissal in the Distance Education course syllabus.

Class Options

In-Person: classes meet on campus

Fully online: courses have no in-person classroom instruction. All instruction is online through the campus learning management system Canvas.

Online: classes do not meet; work is done entirely online via Canvas

Zoom Live: classes meet online via Zoom at regularly scheduled meeting times

Course Offerings

The Cypress College Class Schedule includes detailed information regarding the distance education courses being offered each academic term, including prerequisites, fees, or other program requirements.

To enroll in a distance education course, students must follow the standard campus registration procedures for any Cypress College course.

Visit the Distance Education Program website for answers to Frequently Asked Questions (FAQ), specific hardware and software requirements, tips for student’s success and more: <https://www.cypresscollege.edu/academics/distance-education/de-resources-for-students/>. For questions on how to use Canvas, students can get help once they’ve logged in by clicking on the (?) icon.

Faculty and Administration

-A-

Adams, Virgil III – Human Services

B.A., California State University, San Bernardino
M.A., Azusa Pacific University
M.S., Walden University

Afra, Maha - Dance

B.S., American University of Beirut
M.S., American University of Beirut
B.A., University of California, Irvine
M.F.A., University of California, Irvine

Aguet, Jacqueline - Aviation and Travel Careers

B.S., Galen University
M.B.A., Keller Graduate School of Business, Chicago

Aispuro, Enrique - Auto Technology

A.A., Cerritos College
B.S., California State University, Long Beach

Alhadeff, Andrew – Kinesiology

B.A., University of Redlands
M.S., Azusa Pacific University

Alizadeh, Rassoul (Russ) – Computer Information Systems (CIS)

B.A., St. Mary's University of San Antonio, Texas
M.S., St. Mary's University of San Antonio, Texas

Anderson-McGill, Taylor—

B.S., University of California, San Diego
M.S., University of California, San Diego

Angelov, Katalin - Media Arts Design

B.A., Evergreen State College
M.F.A., University of Southern California

Armale, Ron – Physics/Astronomy

B.S., California State Polytechnic University, Pomona
M.S., University of California, Irvine
Ph.D., University of California, Irvine

Awad, Abigail – Accounting

B.S., Cornell University
M.S.A., DePaul University
PhD, Texas A&M University

-B-

Bacarella, Russ— Automotive Technology

B.S., Weber State University

Badal, Gloria – Political Science

A.A., Cypress College
B.A., California State University, Fullerton
M.A., California State University, Fullerton

Bauer, Jill - English as a Second Language

B.A., Taylor University

M.A., Seattle Pacific University

Beard, Michael – Automotive Technology

A.S., Cypress College

Bladh, Eric – Geography

B.A., California State University, Los Angeles
M.A., California State University, Los Angeles

Booze, David Mosely – Registrar

B.A., State University of New York at Buffalo
M.S., State University of New York at Buffalo
Ed.D., California State University, Long Beach

Borla, Linda – English

B.A., California State University, Sacramento
M.A., California State University, Sacramento

Brown, Anthony - Psychology Technology

A.S., Cypress College
A.O.N., Santa Ana College
B.S.N., California State University, Fullerton

Brydges, Michael – Communication Studies

A.A., Mt. San Antonio College
B.A., California State University, Los Angeles
M.A., California State University, Los Angeles

-C-

Cadilli, Jolina – Mathematics

M.S., California State University, Long Beach

Campbell, Justin - English

B.A., Biola University
M.A., Loyola Marymount University

Canner, Mark - Kinesiology

B.A., Whittier College
M.S., California State University, Long Beach

Carter, Kelly – Counseling/Student Development

A.A., Ricks College
B.S., Brigham Young University
M.A., California State University, Fresno

Cassens, Treisa – Library/Learning Resource Centers

B.A., University of California, San Diego
MLIS, University of California, Los Angeles
Ed.D., University of Southern California

Castle, Victoria – Geology

A.A., Saddleback Community College, Mission Viejo
B.S., California State University, Los Angeles
M.B.A., Pepperdine University, Malibu

Castro, Alma – Mathematics

A.S., Bakersfield College
B.S., California State University, Bakersfield
M.S., California State University, Long Beach

Cherney, Julia – Dental Hygiene

R.D.H., Cypress College
B.S., University of California, Riverside

M.S., Kaplan University

Chiplunkar, Sujata — Biology

B.S., South Gujarat University, India

M.S., The Maharaja Sayajirau University of Baroda, India

Ph.D., The Maharaja Sayajirau University of Baroda, India

Clark, Lisa — Hospitality Management

B.A., California State University, Sacramento

M.S.Ed., California State University, Fullerton

Coburn, Sarah — Counseling/Student Development/Career Center

B.A., San Diego State University

M.S., California State University, Northridge

Collins, Lori - Mortuary Science

A.S., Cypress College

B.A., Argosy University

M.A., Argosy University

Coopman, Jennifer — Mathematics

B.S., University of California, Los Angeles

M.S., California State University, Long Beach

Coronado, Michael - Journalism

B.A., California State University, Fullerton

M.A., University of Redlands

Corrales, Nancy — Diagnostic Medical Sonography

A.S., Long Beach City College

B.S., Capella University

Covey, Kendyl - English

B.A., University of California, Los Angeles

M.A., University of Sussex, England

Curiel, Larry — Sociology

B.A., California State University, Fullerton

M.A., California State University, Fullerton

Cutrona, Sergio - Kinesiology

A.A., Fullerton College

B.S., California State University, Fullerton

M.S., California State University, Fullerton

-D-

Davis, Troy - Dean, Counseling and Student Development

B.A., California State University, Long Beach

M.A., Alliant International University

M.S., California State University, Long Beach

Psy. D., Alliant International University

de Dios, Angela - Psychology

B.A., University of Southern California

M.A., Clark University

Ph.D., Clark University

de Dios, Paul — Vice President, Student Services

A.A., Cerritos College

B.A., University of California, Irvine

M.S., California State University, Long Beach

Ed.D., California State University, Long Beach

de la Cruz, Damon - Mortuary Science

Certificate in Mortuary Science, Cypress College

A.S., Valley College

B.S., California State University, Northridge

Ph.D., University of Southern California

DeMartino, Sarah - Mathematics

B.S., Loyola Marymount University

M.A., California State University, Dominguez Hills

De Roo, Robin — Chemistry

B.A., California State University, Fullerton

M.A., California State University, Fullerton

Diep, Christie Rossier — English

A.A., Golden West

B.A., California State University, Fullerton

M.A., California State University, Fullerton

Doman, Monica Maldonado — Library

B.A., University of California, Los Angeles

M.L.S., University of California, Los Angeles

Domke, Kirk — Geology

B.S., University of Wisconsin, Madison

M.S., University of Wisconsin, Milwaukee

Ph.D., University of Southern California, Los Angeles

Dower, Kellori — Dean of Fine & Performing Arts

B.A. — Prairie View A&M University/San Diego Christian College

M.Ed. — National University

Ed.D. — North Central University

Draganov, Torri — Chemistry

A.A., Saddleback College

B.S., University of California, San Diego

M.S., University of California, Irvine

Ed.D., Texas A&M University, Commerce

Duenas, Yolanda — Counseling/Student Development/Transfer Center

A.A., Golden West College

B.A., California State University, Long Beach

M.S., University of La Verne

-E-

Eapen, Beena - Nursing

B.S.N. SMS Medical College, Rajasthan, India

M.S.N., Grand Canyon University

M.Sc.Ed., Grand Canyon University

D.N.P., Western University of Health Science, Pomona

Eckenrode, Adam — Mathematics

B.S., California State Polytechnic University, Pomona

M.S., California State Polytechnic University, Pomona

Estrada, Steven - Ethnic Studies

B.A., California State University, Fullerton

M.A., California State University, Fullerton

-F-**Faraci, Michael** — Nursing

B.A., Central Connecticut State University
 M.S.N., California State University, Los Angeles
 D.N.P., Western University of Health Sciences

Fee, Richard — Chemistry

B.A., Colorado College
 Ph.D., Pennsylvania State University

Filip, Dragana - Psychiatric Technology

A.S., Cypress College
 A.D.N., Cypress College
 B.S.N., Vanguard University
 M.S.N., Vanguard University

Floyd, Becky D. — Anthropology

B.A., California State University, Fullerton
 M.A., University of Montana

Freer, Carolee — Court Reporting

A.A., Cerritos College
 B.A., California State University, Fullerton
 M.B.A., California State University, Fullerton
 Certified Reporting Instructor, NCRA

Frey, Michael — Astronomy, Physics

B.S., University of Arizona
 M.S., California State University, Long Beach

Frianeza, Michael — Radiologic Technology

A.S., Cypress College
 B.S.R.S., Midwestern State University Texas
 M.B.A., University of Phoenix
 Ed.S., Nova Southeastern University
 Ed.D., Nebraska Methodist College of Nursing & Allied Health

Fujimoto, Janet — English

B.A., California State University, Fresno
 M.A., California State University, Fresno

-G-**Gabourie, Lillian (Penny)** — Honors Counselor/Transfer Center Director

B.A., California State University, Fullerton
 M.S., University of La Verne

Galich, Jennifer - Nursing

B.A., San Francisco State University
 B.S.N., Azusa Pacific University
 M.S.N., Azusa Pacific University
 D.N.P., Grand Canyon University

Garcia, Juan Carlos — Veterans Affairs Counselor/Coordinator

A.A., Cypress College
 B.S., California State University, Fullerton
 M.S.W., University of Southern California
 Ed.D., California State University, Long Beach

Garcia, Ryan Gregory — Radiologic Technology

A.S., Charles R. Drew University of Medicine and Science
 B.A., Marymount California University

M.S.R.S., California State University, Dominguez Hills

Gargano, Amanda - Hotel, Restaurant, Culinary Arts

A.S., Kendall College
 B.S., State University of New York at Oneonta
 M.S., State University of New York at Oswego

Giardina, Edward — Fine Arts

B.F.A., California State University, Fullerton
 M.F.A., Vermont College — Norwich University

Gober, Joel R. — Biology

B.A., Southern Illinois University
 M.S., Southern Illinois University
 Ph.D., Southern Illinois University

Gopar, Gary — Music

B.A., California State University, Long Beach
 M.M., California State University, Long Beach

Goralski, Craig T. — Anthropology

A.A., Goldenwest College
 B.A., California State University, Fullerton
 M.A., California State University, Fullerton
 Ph.D., Pennsylvania State University

Gotoh, Allison — Chemistry

B.S., University of California, Irvine
 M.S., University of California, Irvine
 Ph.D., University of California, Irvine

Grande, Jolena — Mortuary Science

A.S., Cypress College
 B.S., University of Central Oklahoma
 M.F.S., National University
 M.S., National University

Grantham, Robert - Counselor/Student Development

A.A., Fullerton College
 B.A., University of California, Irvine
 M.S.W., California State University, Long Beach

Grote, Silvie — Kinesiology

A.A., Orange Coast College
 B.S., Chapman University
 M.S., California State University, Fullerton
 M.A., California State University, Long Beach
 DrPH, Loma Linda University

Gutierrez, Ruth — English

B.A., California State University, Fullerton
 M.A., Walden University

-H-**Haddad, Eileen** — Institutional Research and Planning

B.A., University of California, Riverside
 Ph.D., University of California, Irvine

Halahmy, David G. — History

B.A., University of California, Los Angeles
 M.A., California State University, Northridge

Hall, Anthony — Physics

B.S., Case Western Reserve University
 M.S., University of California, Los Angeles
 Ph.D., University of California, Los Angeles

Han, Yongmi — Manager, ISP

B.A., University of California, Irvine
 M.A., University of California, Santa Barbara

Heredia, Ernesto - Counseling and Student Development

A.A., Cypress College
 B.A., California State University, Dominguez Hills
 M.S., University of LaVerne

Herman, Jenelle - English as a Second Language

B.S., California Baptist University
 M.A., Azusa Pacific University

Herrera, E. Alexis — Spanish

B.A., University of Utah
 M.A., University of Utah

Heusser, Willis — Philosophy and Religious Studies

A.A., Pierce College
 B.A., University of California, Los Angeles
 M.A., University of Rochester, New York

Hill, Garet — Mathematics

B.S., Biola University
 M.A., California State University, Fullerton

Hoang, Christine - Nursing

D.N.P., Canyon University, Arizona
 M.S.N., California State University, Dominguez Hills

Hock, Richard — Air Conditioning/Refrigeration

B.S., State University of New York, Fredonia, N.Y.
 M.B.A., University of Phoenix

Hormel, James — Theater Arts

B.A., University of the Pacific, Stockton
 M.F.A., University of California, Irvine

Hortua, Giovanni – Ethnic Studies

B.A., California State University, Long Beach
 M.A., University of California, Irvine
 Ph.D., University of California, Irvine

House, Joshua - Communication Studies

B.A., Purdue University
 M.A., California State University, Long Beach

Howard, Donovan - Art

B.A., Art Center College of Design
 M.A., California State University, Fullerton

Hua, Henry - Business and CIS, Dean

A.A., Cerritos College
 B.S., Chapman University
 M.S., California Polytechnic College, Pomona
 Ed.D., Pepperdine University

Hutting, Anthony - Kinesiology

B.A., California State University, Fullerton
 M.S., Azusa Pacific University

-I-**Izadi, Behzad** — Computer Information Systems

B.S., University of Washington, Seattle
 M.S., University of California, Davis
 Ph.D., Colorado State University, Fort Collins

-J-**Jackson, Donald** - Theater

B.A., California State University, Long Beach
 M.F.A., University of California, Los Angeles

James, Sandra - Director of Nursing (Interim)

AA, Santa Ana College
 B.S., California State University, Dominguez Hills
 M.S., California State University, Dominguez Hills

Jepson, Jane C. — Counseling/Student Development

B.A., Towson State University
 M.S., California State University, Long Beach
 Ph. D., California Institute of Integral Studies

Ji, Shinah - Nursing

B.S.N., Chung-Ang University, South Korea
 M.S., University of Michigan
 M.H.S.A., University of Michigan

Jo, Jeannie - Management/Marketing

B.A., University of Missouri, Columbia
 M.B.A., University of Southern California
 Ed.D., University of Southern California

Johannsen, Jonathan - Computer Information Systems/Computer Science

B.S., Biola University
 M.S., California State Polytechnic University, Pomona

Jones, Jeanette - Hospitality Management

B.A., California State University, Fullerton
 M.B.A., University of LaVerne

Jones, Sarah — English/Reading

B.A., California State University, Fullerton
 M.S., California State University, Fullerton

-K-**Kaufman, Bret** - English

B.A., California State University, Northridge
 M.A., California State University, Northridge

Keel, Lawrence J. — English

B.A., University of Southern California
 M.P.W., University of Southern California
 M.A., University of Southern California
 Ph.D., University of Southern California

Kelley, Paul — Career Technical Education

A.S., Automotive GM ASEP, Hudson Valley Community College
 B.S., Technology, S.U.N.Y. Empire State College
 M.S., California State University, Fullerton

Kirby, Patricia "Rose" - Nursing
 B.S.N., California State University, Fullerton
 M.S.N., Grand Canyon University

Klyde, Michael — Automotive Technology
 B.A., California State University, Long Beach
 M.A., California State University, Long Beach

Koeppel, Liana — Communication Studies
 B.A., San Diego State University
 M.A., California State University, Northridge
 Ph.D., University of Southern California

-L-

Laguana-Ferinac, Renay — Counseling/Student Development
 B.A., California State University, Dominguez Hills
 M.A., Pepperdine University

Lam, Mymy — Counseling/Student Development
 B.A., University of California, Irvine
 M.S., California State University, Long Beach

Lambros, John — Communication Studies
 B.A., California State University, Long Beach
 M.A., California State University, Long Beach

Landis, Lenore — Chemistry
 B.S., California State University, Long Beach
 M.S., University of California, Los Angeles

Landry, Erin — Dance
 B.F.A., California Institute of the Arts
 M.F.A., University of California, Irvine

Larez, Jennie - Health Information Technology
 A.S., Cypress College
 B.S., Stephens College

Lawrence, Roberta — Dental Hygiene
 R.D.H., Cypress College
 R.D.H.A.P., West Los Angeles College
 B.A., California State University, Fullerton
 M.S., Higher Education, Kaplan University

Le Cornet, Karen — French/Spanish
 A.A., Chaffey College
 B.A., University of California, Los Angeles
 M.A., University of Texas, Austin

Ledesma, Nicole — Mathematics
 A.A., Saddleback College
 B.A., California State University, Fullerton
 M.A., California State University, Fullerton

Lee, Eunju — Mathematics
 B.S., California State University, Long Beach
 M.S., California State University, Long Beach

Lehmeier, Marisa — Counseling/Student Development/DSS

A.A., Cerritos College
 B.S., California State University, Fullerton
 M.A., Loyola Marymount University

Letcher, Annette - English
 A.S., Riverside City College
 B.A., Concordia University
 M.S., Ed., California State University, Fullerton
 M.A., Arizona State University
 Ed.D., California State University, Fullerton

Lewis, Carol P. — History
 B.A., University of California, Riverside
 M.A., University of California, Riverside

Lind, Daniel Joseph — Ethnic Studies
 B.A., Bowdoin College
 M.P.S., Cornell University
 M.A., Claremont Graduate University

Luther, Mihoko — Japanese
 B.A., Dokkyo University
 M.A., English Language Education Council
 M.A., Nagoya Gakuin University

-M-

McAlister, Kathleen — English
 B.A., University of California, Los Angeles
 M.A., Brown University
 C. Phil., University of California, Los Angeles

McCurtis, Wesley - Athletic Director / Associate Dean of Kinesiology
 B.S., California Lutheran University
 M.A., California State University, Long Beach

McMillan, Marcus - Music
 B.A., California State University, Fullerton
 M.M., California State University, Los Angeles

McMillin, Jennifer - Theater
 B.A., University of California, Los Angeles
 M.F.A., University of San Diego (The Old Globe)

McNay, Sally — Nursing
 A.D.N., Cypress College
 B.S.N., California State University, Dominguez Hills
 M.S.N., California State University, Dominguez Hills
 E.C.D., Grant MacEwan College

Magginetti, Jaclyn - Anthropology
 A.A., Cypress College
 B.A., California State University, Fullerton
 M.A., California State University, Fullerton

Maher, Anthony - Photography
 B.A., California State University, San Bernardino
 M.F.A., California State University, Los Angeles

Manjra, Samreen - Accounting
 B.A., University of California, Irvine
 M.S., California State University, Fullerton

Marquardt, Marcus - Psychiatric Technology
 A.A., Citrus College
 A.S., Citrus College
 B.A., California State University, Los Angeles
 M.A., California State University, Los Angeles

Martinez, Randall — Psychology
 B.A., San Jose State University
 M.A., San Jose State University
 Ph.D., University of Utah

Mathews, Eapen Peter — Political Science
 B.A., University of North Texas
 M.A., University of North Texas

Mays-Larson, Phyllis — Chemistry
 B.A., California State University, Long Beach
 M.A., California State University, Hayward

Melodia, Joseph — English
 A.A., Orange Coast College
 B.A., California State University, Long Beach
 M.A., Chapman University
 M.F.A., Chapman University

Menchaca, Patricia -- Dean of Science, Engineering and Math
 B.A., University of California, Riverside
 M.S., University of California, Riverside

Mendoza, Armando — Geography
 B.A., University of Northern Colorado
 M.S., Texas A&M University

Michelle, Deborah — Counseling/Student Development/DSS
 B.A., San Diego State University
 M.S., San Diego State University

Mitsch, Jeannie - Counseling/Student Development
 A.A., Fullerton College
 B.S., University of California, Los Angeles
 M.S., University of LaVerne
 Ed.D., University of La Verne

Mitts, T. Lynn — Radiologic Technology
 B.S.R.T., Midwestern State University Texas
 M.A., California State University, Long Beach

Moady, Alireza — Computer Information Systems
 B.A., Pars College
 M.S., Florida Institute of Technology
 Ph.D., United States International University

Mohr, Margaret — Kinesiology
 B.A., California State University, Long Beach
 M.A., California State University, Long Beach

Molnar, Peter - Computer Information Systems
 A.A., Cypress College
 B.S., California State University, Long Beach

Mosqueda-Ponce, Therese L. — Counseling/Student Development
 B.S., California State University, Fullerton
 M.S., California State University, Los Angeles
 Ph.D., United States International University

-N-

Nabahani, Melanie — English
 B.A., California State University, Fullerton
 M.A., California State University, Fullerton
 M.F.A., University of California, Los Angeles

Nguyen, Kelly — Mathematics
 B.S., University of California, Irvine
 M.A., California State University, Fullerton

Nusbaum, David — Mathematics
 B.S., University of California, Los Angeles
 M.S., University of California, Irvine
 M. Ed., University of California, Los Angeles

-O-

Odebunmi, Fola — Economics
 B.A., Chapman University
 M.A., California State University, Fullerton

Ogoshi, Fumio — Biology
 B.A., University of San Diego
 Ph.D., University of California, Irvine

Omidzalar, Alejandro - English
 B.A., University of California, Berkeley
 M.A., University of Texas at Austin

Orozco, Luciano M. — Automotive Technology
 B.A., California State University, Los Angeles

Ortega, Ryan - Nursing
 A.D.N., Cypress College
 B.S.N., California State University, Dominguez Hills
 M.S.N., California State University, Dominguez Hills

Owen-Driggs, Janet - Art
 B.F.A., Canterbury College of Art, England
 M.A., Art Center College of Design
 M.F.A., University of Southern California

-P-

Pacheco, Elizabeth — Dental Assisting
 A.A., Riverside Community College
 B.V.E., California State University, San Bernardino
 M.Ed., California State University, San Bernardino

Padilla, Yanet - Director, STEM Program
 B.S., California State Polytechnic University, Pomona
 M.S., California State University, San Bernardino

Page, Jennifer - Communication Studies
 A.A., Modesto Junior College
 B.A., California State University, Long Beach
 M.A., California State University, Long Beach

Paek, Sylvia — Mathematics
 A.A., El Camino College

B.S., University of California, Irvine
M.S., University of California, Irvine

Paient, Paul – Art

B.F.A., Minneapolis College of Art and Design
M.F.A., University of Southern California

Palmer, Leslie - Library

B.A., California State University, Fullerton
M.L.I.S., San Jose State University

Palmisano, Michelle – Biology

B.E., Vanderbilt University
M.S., University of California, San Diego
Ph.D., University of California, San Diego

Palomares, Eva – EOPS/Student Support Services

A.A., Rio Hondo College
B.A., University of California, San Diego
M.S., University of La Verne

Pashaie, Billy – Librarian

B.A., University of California, Los Angeles
M.L.I.S., University of California, Los Angeles
M.A., California State University, Los Angeles

Payne, John – Language Arts

B.A., California State University, Long Beach
M.A., California State University, Long Beach
M.F.A., California State University, Long Beach

Peacock, Joyce – Librarian

B.A., California State University, Long Beach
M.L.S., University of Illinois, Urbana-Champaign

Pelletier, Daniel – Counseling/Student Development

A.A., Saddleback College
B.A., California State University, Fullerton
M.A., Azusa Pacific University

Perez, Francisco - Biology

B.A. University of California, Los Angeles
M.A. Cal-State University, Dominguez Hills

Peters, Jeremy – Culinary Arts

A.S., Orange Coast College

Pham, Thu - Nursing

B.S.N., University of Utah
M.S.N., University of Utah
D.N.P., California State University, Fullerton

Plett, Christina – Mathematics

A.A., Fullerton College
B.A., California State University, Long Beach
M.S., University of California, Irvine

Politanoff, Ashton - English

B.A., University of California, San Diego
M.F.A., California State University, Long Beach

Porter, Alexander - Vice President, Administrative Services

B.A., California State University, Long Beach
M.B.A., St. Mary's College

Porter, Deidre M. – Counseling/Student Development

B.A., University of California, Irvine
M.A., Loyola Marymount University
Ed.D., University of Southern California

Posner, Marc - Campus Communications

A.A., Golden West College
B.A., Brandman University
M.C.M., University of Southern California

Preston, Colin - Dean, Kinesiology/Athletics (Interim)

B.A., University of California, Santa Barbara
M.A., University of San Francisco

Putman, Elizabeth – Nursing

A.A., L.A. Harbor College
B.S.N., California State University, Long Beach
M.S.N., California State University, Long Beach
N.P., Harbor-UCLA

-R-

Rajab, Adel – Biology

B.S., California State University, Long Beach
M.S., California State University, Long Beach
Ed.D., University of California, Irvine and University of California, Los Angeles

Ramos, Jaime – Psychiatric Technology

A.D.N, Cypress College
B.S.N., University of Phoenix
M.S.N., University of Phoenix

Ramos, Larry – Auto Collision Repair

A.A., Cypress College

Ranada, Raymond - Radiologic Technology

A.S., Long Beach City College
B.S.R.S., California State University, Dominguez Hills
M.S.R.S., California State University, Dominguez Hills
Ed.D., Nebraska Methodist College of Nursing & Allied Health

Rangel, Jacquelyn - Articulation Officer/Counseling and Student Development

B.S., California State University, Fullerton
M.A., University of Redlands

Rees, Myev - Philosophy

B.A. Columbia University
M.A., Miami University
M.A., Northwestern University
Ph.D., Northwestern University

Reiland, Kathleen – Vice President of Instruction (Interim)

B.S., University of San Francisco
M.A., California State University, San Marcos
Ed.D., University of Southern California, Los Angeles

Reuter, Hilary Cisco - Psychology

B.A., Arizona State University
M.A., University of Notre Dame
Ph.D., University of Notre Dame

Reza, Alan – EOPS/Student Support Services

A.A., Fullerton College
 B.A., San Diego State University
 M.S., National University

Rhymes, Regina — Sociology
 B.A., California State University, Fullerton
 M.A., California State University, Fullerton
 M.S., University of Phoenix

Robertson, Alison — English as a Second Language
 B.A., California State University, Fullerton
 MTESL, Arizona State University

Roby, Scott - Mathematics
 A.A., Modesto Junior College
 B.S., California State University, Stanislaus
 M.S., University of California, Riverside
 Ph.D., University of California, Riverside

Rodriguez, Cassie - Counseling/Student Development
 B.A., University of Hawaii
 M.S., California State University, Long Beach

Romo, Vincent - History
 A.A., Citrus College
 B.S., Robert Morris University
 M.A., National University
 Ph.D., National University

Rosati, Stephanie — Hotel, Restaurant, Culinary Arts
 A.A., Citrus College

Ruelas, AnnMarie - Director, EOPS/CARE and CalWORKs
 B.A., University of California, Los Angeles
 M.S., California State University, Fullerton

-S-

Saleh, Massoud — Engineering/Physics
 B.S., Amirkabir University
 M.S., California State University, Northridge
 Ph.D., California State University, Long Beach

Sallade, Douglas — Air Conditioning/Refrigeration
 B.S., California Polytechnic University, San Luis Obispo
 M.A., California State University, Long Beach
 Ed. D., California State University, Long Beach

Sanchez-Duran, José Antonio — Biology
 B.A., California State University, Fullerton
 Ph.D., University of Missouri, Columbia

Sandoval, Carlos — Psychology
 B.A., California State University, Fullerton
 M.A., Pepperdine University

Sato, Dee Ann — Biology
 B.S., University of Washington
 M.S., University of California, Davis

Schilling, JoAnna - President
 B.A., Smith College
 M.F.A., Carnegie Mellon University

Ph.D., Oregon State University

Schoonmaker, Stephen - Interim Dean, Health Science
 B.A., University of Vermont
 M.S., Western Illinois University
 Ed.D., New Mexico State University

Schulps, Molly — Fine Arts
 M.F.A., California State University, Northridge

Schwartz, Aaron - Physics
 B.A., Johns Hopkins University
 M.S., California State University, Long Beach

Seiling, Bryan — History
 B.A., University of Southern California
 M.A., University of Southern California

Sheridan-Solis, Ann, C.P.A. — Accounting
 A.A., Mount San Antonio College
 B.S., California State Polytechnic University, Pomona

Shin, Gary — Biology
 B.S., University of California, Berkeley
 Ph.D., University of California, Los Angeles

Sidhu, Parwinder — Economics
 B.A., Guru Nanak Dev University, India
 M.S., Guru Nanak Dev University, India
 Ph.D., Guru Nanak Dev University, India

Silva, Joel - Dental Assisting
 A.S., Cypress College
 B.S., California State University, Sacramento

Simmons, Samantha — English as a Second Language/Linguistics
 B.A., California State University, Fullerton
 M.A., California State University, San Diego

Snook, Dan — Automotive Collision
 A.A., Chaffey College

Sonne, Kathryn T. — English
 B.A., Brigham Young University
 M.A., Brigham Young University
 Ph.D., Union Institute and University, Cincinnati

Spitler, Patricia - Health Information Technology
 B.S., University of Kansas
 RHIA, Registered Health Information Administrator
 FABC, Fellowship of the Advisory Board Committee

Spooner, Stephanie — Biology
 B.S., California State University, Long Beach
 M.S., California State University, Long Beach

Ssensalo, Renee — Counseling/Student Development
 B.A., California State University, Long Beach
 M.S., California State University, Long Beach

Stephens, Kristen - Director, Dental Hygiene
 AA, Cerritos College
 B.S., California State University, Long Beach
 M.S., Idaho State University
 Ed.E., Concordia University, Irvine

Sutfin, Thomas - Career Technical Education
B.S., SUNY Brockport
M.A., Pepperdine University

-T-

Tapia, James - Human Services
B.A., Southern California College
M.A., National University

Thayer, Scott W. - President
B.A., Rollins College
M.A., Point Loma Nazarene University
Ed.D., University of Southern California

Thibodeau, Jason — Philosophy and Religious Studies
B.A., University of California, Berkeley
Ph.D., University of California, San Diego

Thomas, Jaime - Dean of Social Sciences
B.A., Washington University in St. Louis
Ph.D., Michigan State University

Tira, Diana - Dental Hygiene
R.D.H., Cypress College
R.D.H.A.P., University of the Pacific
B.S.D.H., Loma Linda University
M.P.H., Loma Linda University

To, Thang (Tom) — SSSP Director
B.A., California State University, Long Beach
M.S., California State University, Long Beach

Tomooka, Craig — Chemistry
B.S., University of California, Irvine
M.S., California Institute of Technology
Ph.D., California Institute of Technology

Tran, Hoa — Mathematics
M.A., California State University, Fullerton
B.A., California State University, Fullerton

Tran, Stephanie - English
B.A., University of San Diego
M.F.A., Northwestern University

Trevino, Joseph — Mathematics
B.S., University of California, Irvine
M.S., California State University, Long Beach

Troy, Kathleen — Business/Management
B.S.L., Western State University
J.D., Western State University

-U-

Urquidi, Carlos, P.E. — Air Conditioning/Refrigeration
B.S., California State University, Los Angeles
M.S., California State University, Fullerton

-V-

Valdez, Edilberto — Aviation and Travel Careers
B.S., Embry-Riddle Aeronautical University, Daytona Beach

Velasco, Kendra — Dental Hygiene
R.D.H., University of Southern California
B.S., University of Southern California
M.S., Kaplan University

Ventura, Bryan - Director, Institutional Research and Planning
B.A., University of California, Irvine
M.A., University of California, Los Angeles

Vera Lopez, Janet — Division Dean, Language Arts
A.A., Cerritos College
B.A., University of California, Los Angeles
M.Ed., University of Southern California
Ed.D., University of Southern California

Verduzco, Gisela - Director, Student Equity and Success
A.A., Santa Ana College
B.A., University of California, Irvine
M.S., California State University, Long Beach

Vescial, Keith — English
B.A., Loma Linda University
B.A., University of Maryland
M.A., University of Indiana
M.A., University of California, Riverside
M.A., Arizona State University
M.S., University of Alabama, Birmingham

Vo, Denise — Counseling/Student Development
B.A., California State University, Long Beach
M.S., National University

-W-

Wada, Kathryn — English as a Second Language
B.A., University of California, Irvine
M.A., California State University, Long Beach

Wahbe, Randa B. — Comparative Literature
B.A., California State University, Los Angeles
M.A., California State University, Fullerton
Ed.D., Argosy University, Orange

Walker, Jane — Nursing
ASN, Santa Ana College
B.A., California State University, Fullerton
M.S.N., California State University, Dominguez Hills

Ward, Amy — Mathematics
A.A., Santa Ana College
B.A., California State University, Fullerton
M.A., California State University, Fullerton

Welliver, Nancy — Kinesiology
B.A., California State University, Long Beach
M.Ed., Azusa Pacific University

Williams, Marredda — Nursing

B.S.N., California State University, Los Angeles
M.S.N., California State University, Dominguez Hills

Wu, Penn — Computer Information Systems
Ph.D., Nova Southeastern University

-Y-

Young, Annette - Library
B.F.A., California State University, Fullerton
M.L.I.S., University of California, Los Angeles

Young, Brandy — Psychology
B.A., University of California, Los Angeles
M.A., University of California, Irvine
Ph.D., University of California, Irvine

-Z-

Zager, Gary — Human Services
B.A., California State University, Fullerton
M.S., California State University, Fullerton

as of 8/4/22 ds

Fees

Cypress College offers a comprehensive range of fees to ensure a fulfilling educational experience for its students. Please note that fees may vary, and it is advisable to consult Enrollment Fees webpage or contact the Bursar's Office for the most up-to-date and accurate information regarding fees and their associated details.

All fees assessed to student accounts are due immediately and may be paid by credit card online via myGateway, by mail via check or money order, or in person at the Admissions and Records office. A \$25 service fee will be added to student accounts for returned checks. The original amount owed plus the service fee must be paid by money order.

The following chart identifies the various fees associated with attending Cypress College:

*Any student who depends exclusively on 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 of such bona-fide religious sect, denomination or organization, shall be exempt from paying such a fee. Additionally, students attending Cypress College exclusively under an approved apprenticeship training program are exempt from paying the health fee. The health fee will be refunded to any student who withdraws from all courses prior to the 10% date of the length of the course. All Special Admit students are required to pay the health fee each term they attend.

**If a student withdraws from classes, a refund processing fee of \$10 will be deducted from the enrollment fee refund. The fee will be waived for students who are administratively dropped from class(es) due to cancellation of class(es), student disqualification or course repetition. Refunds will be processed the 4th week of semester and should be

completed by mid November for fall semester and mid April for spring semester. All refunds are issued by check and will be mailed. Please keep your Cypress College address current.

Learning Resources

Cypress College offers library instructional support services to its students to help them develop information literacy skills, including research strategies, citation techniques, and critical thinking. These services are aimed at enhancing students' academic success and preparing them for lifelong learning. The college's library provides a range of resources, including online tutorials, workshops, and one-on-one consultations with trained librarians. Through these services, students can learn how to navigate the library's extensive collection of print and digital materials, as well as gain valuable skills that will benefit them in their future academic and professional endeavors.

The following list identifies Instructional Support Services available at Cypress college:

1. Business and Computer Information Systems Lab
2. English as a Second Language
3. English Success Center
4. Individual and Group Tutoring Services
5. Library Learning Resource Center
6. Math Learning Center
7. Second Floor Instructional Support Services
8. Supplemental Instruction (SI) Services

Click from the above menu for more information about each service.

Library In-Person Hours

Monday–Thursday 9 a.m.–5 p.m.
Closed Fridays, Weekends, & Holidays

Library Online Hours

Monday–Thursday 7:30 a.m.–9 p.m.
Friday 7:30 a.m. – 1 p.m.
Closed Weekends & Holidays

Contact Us

Phone: (714) 484-7125
Text: (657) 214-4639
Email: librarian@cypresscollege.libanswers.com
FAQs: <https://cypresscollege.libanswers.com>
Chat: <https://cypresscollege.libguides.com>

Librarian Zoom Appointments:

<https://cypresscollege.libcal.com/appointments>
FAQs: <https://cypresscollege.libanswers.com>

Individual and Group Tutoring: The Tutoring Center is available in the LRC at no cost to CC students. To schedule an appointment with a tutor choose from the following options:

- Call (714) 484-7183,
- LRC Chat
- Visit in Person
- Email: llrc@cypresscollege.edu

Normal hours of operation vary depending on tutor availability. Free online tutoring is also available for up to seven hours per semester. For access, click the LRC online tutoring link on the College's home page.

The English Success Center (ESC) LRC-126: The English Success Center (ESC) provides students with free learning opportunities designed to improve academic reading and writing skills. The ESC Center is staffed by trained tutors as well as Cypress College faculty. The ESC offers directed learning activities (DLAs), faculty-led workshops, and informal learning groups. Additionally, students may use ESC computers to work on their course assignments. Limited drop in English and ESL tutoring is available.

For more hours of operation and additional information please contact us at:

CONTACT US

(714) 484-7322

Library & Learning Resource Center, 1st Floor, Room 130
englishsuccesscenter@cypresscollege.edu

Website

The English Success Center

Visit our website at: <https://www.cypresscollege.edu/academics/divisions-special-programs/librarylrc/library/>

First Floor Academic Support

Learning Resource Center (LRC)

The **Learning Resource Center** offers students access to a computer lab where they may access the Internet, software applications (Microsoft Office) and course-specific software and materials assigned by their instructors. Students may also use a broad variety of academic support materials placed in the LRC by instructors. Some assistance using computers and applications is provided. Electrical power, data and wireless connectivity is also available for students with personal laptop computers. The L/LRC has laptops available for students to checkout.

Math Learning Center (MLC) Room 127: The MLC provides students assistance in solving problems and in understanding concepts in mathematics and some math-based science concepts. Resources include an array of math textbooks, calculators, math solutions manuals and computer applications. Students receive free tutorial assistance with DLAs, eDLAs, group tutoring and workshops from math faculty or peer tutors on a first-come, first-served basis. For more information call (714) 484-7151 or mathlearningcenter@cypresscollege.edu.

CONTACT US

(714) 484-7151

L/LRC, 1st Floor

mathlearningcenter@cypresscollege.edu
(MathLearningCenter@cypresscollege.edu)

Website

Math Learning Center

Library Website: www.cypresscollege.edu/library

Note: Remote access to the library catalog is available through the website. Remote access to the databases or the text-a-librarian service is available to currently enrolled Cypress College students. Please see a librarian or the website for assistance. Please see website for additional information.

The Library maintains a collection of approximately 68,000 books, periodical subscriptions, CDs and DVDs. Databases provide access to selected full-text newspaper, magazine, e-books and journal articles. Students have access to computers, copiers, printers, the Internet, the library catalog, and databases within the library building. The library has laptops available for students to check out.

Library Cards: A current student picture ID card serves as a Cypress College library card. Students must have a current Cypress College ID card in order to check out materials or look at reserve/textbook materials. The library has a textbook collection that can be used for two days or within the library.

Group Study Rooms: Eight group study rooms are available. Reservations are made on a first-come, first-serve basis for current students at Cypress.

In-Person & Virtual chat with a Librarian: Chat via the Library Homepage or visit during open hours

Visit the L/LRC: Need a quiet place to study? Need to utilize a computer/printing?

Email & Text-a-Librarian: (657) 214-4639 and/or
librarian@cypresscollege.libanswers.com

Library Materials: Check out materials from the library's general collection using your Cypress College ID.

Laptops & Hotspots: Available on the 1st floor of the LRC while supplies last.

Textbooks: Available for 2-hour in library use.

Calculators: Available on the 2nd floor of the LRC while supplies last

24/7 Access to Databases: Access databases using your Student ID# and password

Online Research Guides: Research help at your fingertips

The **Supplemental Instruction (SI) Program** provides opportunities for students to voluntarily participate in activity-based study group sessions for difficult classes. Typically, these sessions are held immediately after the class and it is recommended that students wishing to utilize this program should keep their schedules free at those times. For additional information, students should contact their instructor. These study groups are organized and facilitated by trained **SI Leaders** who are students who have successfully completed the classes in which **SI** is being offered.

SI utilizes active learning strategies and group tutoring to help students understand, learn and remember difficult concepts from the curriculum.

Students who participate in SI study sessions report increased understanding of concepts and improved study and test-taking skills. Data shows that those students who participate will earn a half to a full grade higher than those who do not participate.

For more information about SI, call (714) 484-7323.

Programs of Study

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- 2D Animation Certificate
- 30 Unit Non-Degree Option Career Mobility Licensed Vocational Nurse to Non-Degree Registered Nurse Certificate
- 3D Certificate

A

- Accounting Associate in Science Degree
- Accounting Certificate
- Acting for Stage & Screen Certificate
- Addiction Studies Certificate
- Administration of Justice Associate in Science Degree for Transfer (AS-T)
- Administration of Justice Certificate
- Administration of Local Anesthesia, Nitrous Oxide-Oxygen Analgesia and Periodontal Soft Tissue Curettage Certificate
- Advertising and Emerging Technologies Certificate
- African-American Studies Associate in Arts Degree
- Air Conditioning and Refrigeration Associate in Science Degree
- Air Conditioning and Refrigeration Certificate
- Air Conditioning and Refrigeration Project Management Certificate
- Air Conditioning Customer Service Certificate
- Airline Customer Services Advanced Certificate
- Airline Customer Services Associate in Science Degree
- Airline Customer Services Basic Certificate
- Airport Operations Basic Certificate
- Anthropology Associate in Arts Degree
- Anthropology Associate in Arts Degree for Transfer (AA-T)
- Aquatics Specialist Certificate
- Archaeology Technician Certificate
- Art Associate in Arts Degree
- Art History Associate in Arts Degree for Transfer (AA-T)
- Athletic Coach Certificate
- Auto Collision 1: Detail Technician Certificate
- Auto Collision 2: Paint and Refinishing Certificate
- Auto Collision 3: Structural Certificate
- Auto Collision 4: Appraisal & Management Certificate
- Auto Collision Advanced Technician Associate in Science Degree
- Auto Collision Repair Fundamentals Associate in Science Degree
- Automated Building Controls Associate in Science Degree
- Automated Building Controls Certificate
- Automotive Sales and Service Certificate
- Automotive T-TEN Air Conditioning Specialist Certificate
- Automotive T-TEN Brake and Alignment Specialist Certificate
- Automotive T-TEN Electrical Certificate
- Automotive T-TEN Engine and Driveline Specialist Certificate
- Automotive T-TEN Performance and Driveability Specialist Certificate
- Automotive T-TEN Toyota and Lexus Specialist Certificate
- Automotive Technology - Electrical Diagnostic Specialist Certificate
- Automotive Technology - Maintenance Technician Certificate

- Automotive Technology Associate in Science Degree
- Automotive Technology Certificate
- Automotive Technology Certificate – Brake and Alignment Specialist
- Automotive Technology Certificate – Emission Control Specialist
- Automotive Technology Certificate – Engine Specialist
- Automotive Technology Certificate – Performance and Driveability Specialist
- Automotive Technology Certificate – Transmission Specialist
- Aviation I - Private Pilot Certificate
- Aviation II - Instrument Pilot Certificate
- Aviation III - Commercial Pilot Certificate
- Aviation IV-Advanced Pilot Certificate
- Aviation Management Associate in Science Degree
- Aviation Management Certificate

B

- Baking and Pastry Arts Associate in Science Degree
- Baking and Pastry Arts Certificate
- Baking Fundamentals Certificate
- Biology Associate in Science Degree for Transfer (AS-T)
- Business Administration 2.0 Associate in Science Degree for Transfer (AS-T)
- Business Economics Certificate
- Business Information Worker Certificate
- Business Management Associate in Science Degree
- Business Management Certificate

C

- California Court Reporters Board Accreditation Accredited Court Reporting Program
- Captioning Certificate
- Career Technical Education - Aviation Associate in Science Degree
- Career Technical Education - Homeland Security Associate in Science Degree
- Career Technical Education - Tourism Associate in Science Degree
- CART - Communication Access Realtime Translation Certificate
- CE Instructor Training Associate in Science Degree
- CE Instructor Training Certificate
- Character and Background Design for Animation and Game Art Certificate
- Chemistry Associate in Science Degree for Transfer (AS-T)
- Chemistry Associate in Science Degree for UC Transfer
- Chicana/o/x Studies Associate in Arts Degree
- Cisco Networking Certificate
- Collision Repair I-CAR Gold Certificate
- Commercial Air Conditioning Certificate
- Commercial Pilot Associate in Science Degree
- Commercial Refrigeration Certificate
- Communication Certificate
- Communication Studies 2.0 Associate in Arts Degree for Transfer (AA-T)
- Community Health Worker Certificate
- Computer and Office Applications Certificate

- Computer Editor (Scopist) Certificate
- Computer Information Systems Associate in Science Degree
- Computer Programming Certificate
- Computer Science Associate in Science Degree for Transfer (AS-T)
- Conflict Resolution Certificate
- Costume and Makeup Design Certificate
- Court and Agency Services Certificate
- Court Reporting Associate in Science Degree
- Court Reporting Certificate
- Court Reporting Technology Certificate
- Creative Photo Arts Certificate
- Creative Writing Certificate
- Criminal Justice Certificate
- Cruise Line Sales and Operations Basic Certificate
- CSR-RPR Skills Certificate of Completion (Non-Credit)
- Culinary Fundamentals Certificate
- Culinary Management Associate in Science Degree
- Culinary Management Certificate
- Cyber Defense Associate in Science Degree
- Cyber Defense Certificate
- Cybersecurity Certificate

D

- Dance Associate in Arts Degree
- Dance Teaching Certificate
- Data Analytics Certificate
- Data Management Certificate
- Dental Assisting Associate in Science Degree
- Dental Assisting Certificate
- Dental Hygiene Associate in Science Degree
- Dental Hygiene Pit and Fissure Sealant Certificate
- DevSecOps (Development, Security, and Operations) Certificate
- Diagnostic Medical Sonography Associate in Science Degree
- Diagnostic Medical Sonography Certificate
- Digital Cinema Production Certificate
- Digital Cinema Techniques and Technologies Certificate
- Digital Illustration Certificate
- Digital Photography Certificate

E

- Economics Associate in Arts Degree for Transfer Degree (AA-T)
- Elementary Teacher Education Associate in Arts Degree for Transfer (AA-T)
- English Associate in Arts Degree for Transfer (AA-T)
- Environmental Science Associate in Science Degree for Transfer (AS-T)
- ESL Milestone Certificate- Pathway to Transfer: Language Arts/Oral Communication
- ESL Milestone Certificate- Pathway to Transfer: Language Arts/Written Communication
- ESL Milestone Certificate- Pathway to Transfer: Social Sciences & Humanities
- ESL Milestone Certificate: Pathway to Aviation and Travel Careers

- ESL Milestone Certificate: Pathway to Business and Computer Information Systems
- ESL Milestone Certificate: Pathway to Culinary Arts and Hospitality Management
- ESL Milestone Certificate: Pathway to Dental Hygiene, Nursing, and Psychiatric Technology
- ESL Milestone Certificate: Pathway to Diagnostic Medical Sonography, Health Information Technology, and Radiological Technology
- ESL Milestone Certificate: Pathway to Kinesiology and Public Health
- ESL Milestone Certificate: Pathway to Science, Engineering, and Mathematics
- Ethnic Studies Associate in Arts Degree
- Event Management Certificate

F

- Family Studies Certificate
- Film, Television and Electronic Media Associate in Science Degree for Transfer (AS-T)
- Fitness Specialist Certificate
- Flight Attendant Advanced Certificate
- Flight Attendant Associate in Science Degree
- Flight Attendant Basic Certificate
- Food and Beverage Fundamentals Certificate
- Food and Beverage Management Associate in Science Degree
- Food and Beverage Management Certificate
- Food Science Fundamentals Certificate
- Foreign Language for Professionals in Aviation and Travel Careers Certificate
- Foreign Language for Professionals in Culinary Arts and Hospitality Careers Certificate
- Foreign Language for Professionals in Health Science Careers Certificate
- Foreign Language: Elementary Level Certificate
- Foreign Language: Intermediate Level Certificate
- Funeral Service Bachelor of Science Degree

G

- Geographic Information Systems Certificate
- Geography Associate in Arts Degree
- Geography Associate in Arts Degree for Transfer (AA-T)
- Geology Associate in Science Degree for Transfer (AS-T)
- Gerontology Certificate
- Global Citizenship Studies Certificate
- Global Studies Associate in Arts Degree
- Global Studies Associate in Arts Degree for Transfer (AA-T)
- Graphic Design Associate in Arts Degree
- Graphic Design Certificate

H

- Health Information Technology Associate in Science Degree
- Health Sciences General Studies Associate in Arts Degree
- Hearing Reporter Certificate
- Heat Pump Certificate

- History Associate in Arts Degree for Transfer (AA-T)
- Homeland Transportation Security Certificate
- Honors Program Certificate
- Hospitality Management Associate in Science Degree
- Hospitality Management Associate in Science Degree for Transfer (AS-T)
- Hospitality Management Certificate
- Hotel Fundamentals Certificate
- Human Services Associate in Arts Degree
- Human Services Generalist Certificate
- HVAC Building Commissioning Certificate
- HVAC Codes and Estimating Certificate

I

- Imaging Technologist Assistant Certificate
- Integrative Health and Wellness Studies Associate in Science Degree

J

- Journalism Associate in Arts Degree for Transfer (AA-T)

K

- Kinesiology Associate in Arts Degree
- Kinesiology Associate in Arts Degree for Transfer (AA-T)

L

- Law Office Administration Associate in Science Degree
- Law, Public Policy and Society Associate in Arts for Transfer Degree (AA-T)
- Law, Public Policy and Society Certificate
- Legal Administrative Assistant Certificate
- Legal Videographer Certificate
- Liberal Arts Associate in Arts Degree with an Area of Emphasis in Arts and Humanities
- Liberal Arts Associate in Arts Degree with an Area of Emphasis in Human Communication
- Liberal Arts Associate in Arts Degree with an Area of Emphasis in Math and Science
- Liberal Arts Associate in Arts Degree with an Area of Emphasis in Social and Behavioral Sciences
- Lighting and Sound Design Certificate

M

- Marketing Associate in Science Degree
- Marketing Certificate
- Mathematics Associate in Science Degree for Transfer (AS-T)
- Mechatronics and Automation Components Certificate
- Mechatronics and Automation Fundamentals Certificate
- Mechatronics and Industrial Automation Certificate
- Mechatronics, Robotics and Automation Associate in Science Degree
- Media Arts Design
- Merchandising Associate in Science Degree
- Merchandising Certificate
- Mortuary Science Associate in Science Degree

- Motion Design Certificate
- Music Associate in Arts Degree
- Music Associate in Arts Degree for Transfer (AA-T)
- Music Teacher Technology Certificate
- Musical Theatre Performance Certificate

N

- Nutrition and Dietetics Associate in Science Degree for Transfer (AS-T)

P

- Philosophy Associate in Arts Degree
- Philosophy Associate in Arts Degree for Transfer (AA-T)
- Photography Associate in Arts Degree
- Photography Certificate
- Physics Associate in Science Degree for Transfer (AS-T)
- Physics Associate in Science Degree for UC Transfer
- Political Science Associate in Arts Degree for Transfer (AA-T)
- Portrait and Wedding Photography Certificate
- Post Production Basics for Cinema & Video Certificate
- Practicum in Beginning Machine Shorthand Certificate of Completion (Non-Credit)
- Practicum in Intermediate Machine Shorthand Certificate of Completion (Non-Credit)
- Pre-Engineering Associate in Science Degree
- Proofreading Certificate
- Psychiatric Technician Aide Certificate
- Psychiatric Technology Associate in Science Degree
- Psychiatric Technology Certificate
- Psychology Associate in Arts Degree for Transfer (AA-T)
- Public Health Science Associate in Science Degree for Transfer (AS-T)

R

- Radiation Safety Certificate
- Radiologic Technology Associate in Science Degree
- Radiologic Technology Certificate
- Recording Arts Certificate
- Recreation Assistant Certificate
- Registered Nursing Associate in Science Degree
- Religious Studies Associate in Arts Degree
- Robotics Technician Certificate

S

- Scenic Design Certificate
- Small Business Management Associate in Science Degree
- Small Business Management Certificate
- Social Justice Studies: African-American Studies Associate in Arts Degree for Transfer (AA-T)
- Social Justice Studies: Asian-American Studies Associate in Arts Degree for Transfer (AA-T)
- Social Justice Studies: Chicana/o Studies Associate in Arts Degree for Transfer (AA-T)

- Social Justice Studies: Native American Studies Associate in Arts Degree for Transfer (AA-T)
- Sociology Associate in Arts Degree for Transfer (AA-T)
- Spanish Associate in Arts Degree for Transfer (AA-T)
- Sport Management Certificate
- Stage Management Certificate
- Storyboarding Certificate
- Studio Arts Associate in Arts Degree for Transfer (AA-T)
- System Administration and Technical Support Certificate

T

- T-TEN Certified Technician Associate in Science Degree
- T-TEN Certified Technician Certificate
- T-TEN Maintenance Technician Associate in Science Degree
- T-TEN Maintenance Technician Certificate
- Technical Theatre Certificate
- Theatre Arts Associate in Arts Degree for Transfer (AA-T)
- Theatre Arts Performance Associate in Arts Degree
- Theatre Design Associate in Science Degree
- Tourism and Conference Management Basic Certificate
- Travel/Tourism Advanced Certificate
- Travel/Tourism Associate in Science Degree
- Travel/Tourism Basic Certificate

U

- UAS Remote Pilot Advanced Certificate
- UAS Remote Pilot Associate in Science Degree
- UAS Remote Pilot Basic Certificate
- Ultrasonic Scaling and Coronal Polishing Certificate

V

- Victimology Certificate
- Virtualization and Cloud Computing Certificate

Y

- Yoga Teacher Training Certificate (200-hour)
- Yoga Therapy Certificate (300-hr)

Program Mapper

Program Mapper is a tool that illustrates interactive, pathway-based visualizations for all degrees and certificates at Cypress College.

Program Mapper highlights academic degrees and certificates as it relates to expected employment outcomes and desired areas of study. Click on "Program Maps" to learn more about your degree and/or certificate:

Program Maps

Academic divisions at Cypress College provide a structured framework for organizing and delivering a diverse range of educational disciplines. Each division is dedicated to fostering excellence in specific fields of study, ensuring comprehensive and specialized learning experiences for students. Through these divisions, Cypress College aims to cultivate a vibrant and inclusive learning environment that empowers students to explore their interests, develop critical thinking skills, and acquire

knowledge that prepares them for future academic pursuits or professional careers. By offering a wide array of academic divisions, Cypress College supports the diverse aspirations and career pathways of its students, enabling them to embark on fulfilling educational journeys and reach their full potential.

Business & Computer Information Systems (BUS / CIS)
Career Technical Education (CTE)
Visual and Performing Arts (VAPA)
Health Science (HS)
Kinesiology & Athletics (KIN / ATH)
Language Arts (LA)
Library, Learning & Resource Center (L/LRC)
Science, Engineering, Mathematics (SEM)
Social Sciences (SS)
Counseling & Student Development (COUN)

Academic departments at Cypress College play a crucial role in delivering specialized education and training in specific disciplines. Each department focuses on a particular field of study, providing a dedicated faculty and resources to support students' learning and growth. Each department offers a unique range of courses, programs, and resources tailored to the needs and interests of students. Faculty members within these departments bring their expertise and passion to the classroom, guiding students through engaging coursework, hands-on experiences, and practical applications of knowledge. By immersing themselves in these departments, students have the opportunity to develop a deep understanding of their chosen field, refine their skills, and prepare for further academic pursuits or professional endeavors. Cypress College's academic departments foster an environment of collaboration, critical thinking, and innovation, empowering students to explore their passions, build a strong foundation of knowledge, and pursue their academic and career aspirations with confidence.

Accounting
Administration of Justice
Air Conditioning & Refrigeration
Anthropology
Art
Auto Collision Repair
Automotive Technology
Aviation & Travel Careers
Biology
Chemistry
Communication Studies
Computer Information Systems
Counseling and Student Development
Court Reporting
Dance
Dental Assisting
Dental Hygiene
Diagnostic Medical Sonography
Economics
English
English as a Second Language
Ethnic Studies

Foreign Language

Geography/GIS

Health Information Technology

History

Hotel, Restaurant, and Culinary Arts

Human Services

Journalism

Kinesiology

Library, Learning Resource Center

Management

Marketing

Mathematics

Media Arts Design

Mortuary Science

Music

Nursing

Philosophy & Religious Studies

Photography

Physical Science

Political Science

Psychiatric Technology

Psychology

Radiologic Technology

Sociology

Theatre Arts

Certificate of Achievement Programs

A program certificate is a verification of competency designed to make the student proficient and employable in a specific occupational skill. The certificate is awarded independently of the Associate Degree. Students who have maintained continuous enrollment have the option of completing the certificate requirements in effect at the time they initially enrolled or any subsequent catalog up to and including the last semester of attendance. At least 50% of all course work required for a Cypress College Certificate must be completed at Cypress College. 50% course work can be either the number of courses **OR** the number of units – whichever benefits the student for completion of program requirements. All required courses must be completed with a grade of C or better. Students wishing to use courses from another institution to meet Cypress' requirements should meet with a counselor to review the necessary petitioning procedure. Program certificates will be noted on student transcripts.

Occupational Certificate Requirements
 Department Certificates
 Application for Certificates

Occupational Certificate Requirements

Certificates do not require general education course work. Requirements for Certificate Programs for the 2021-2022 catalog year include:

- Submission of an Application for Certificate in the Admissions and Records Office.
- Completion of specific program courses listed in the catalog with a grade of C or better.
- Completion of at least 50% of the required courses at Cypress College.

Students may submit an application for multiple certificates per term providing requirements are met. A catalog academic year must be specified on the application. The catalog year will be used to determine if all certificate requirements have been met.

NOTE: Specific course requirements for certificates are listed in applicable sections of the catalog.

For information about each program, please visit the Career Education link at <https://careers.cypresscollege.edu>.

Accounting

- Accounting

Administration of Justice

- Administration of Justice

Air Conditioning and Refrigeration

- Air Conditioning and Refrigeration
- Air Conditioning and Refrigeration Project Management
- Air Conditioning Customer Service

- Commercial Air Conditioning
- Commercial Refrigeration
- Heat Pump
- HVAC Automated Environmental Controls
- HVAC Building Commissioning
- HVAC Codes and Estimating

Art

- See Media Arts Design

Automotive Collision Repair

- Collision Repair I-Car Gold Certificate

Automotive Technology

- Automotive Sales and Service
- Automotive Technology
- Automotive Technology Brake and Alignment Specialist
- Automotive Technology Electrical Diagnostic Specialist
- Automotive Technology Emission Control Specialist
- Automotive Technology Engine Specialist
- Automotive Technology Maintenance Technician
- Automotive Technology Performance and Driveability Specialist
- Automotive Technology Transmission Specialist
- Automotive - T-TEN Air Conditioning Specialist
- Automotive - T-TEN Brake and Alignment Specialist
- Automotive - T-TEN Electrical
- Automotive - T-TEN Engine and Driveline Specialist
- Automotive - T-TEN Performance and Driveability Specialist
- Automotive - T-TEN Toyota and Lexus Specialist
- T-TEN Certified Technician
- T-TEN Maintenance Technician

Aviation and Travel Careers

- Advanced Airline Customer Services
- Advanced Flight Attendant
- Advanced Travel/Tourism
- Aviation I — Private Pilot
- Aviation II — Instrument Pilot
- Aviation III — Commercial Pilot
- Aviation IV — Advanced Pilot
- Aviation Management
- Basic Airline Customer Services
- Basic Airport Operations
- Basic Cruise Line Sales and Operations
- Basic Flight Attendant
- Basic Tourism and Conference Management
- Basic Travel — Tourism
- Homeland Transportation Security
- UAS Drone Advanced
- UAS Drone Basic

Computer Information Systems

- Business Information Worker
- Cisco Networking
- Computer Forensics
- Computer and Office Applications
- Computer Programming
- Cyber Defense
- Cybersecurity
- Database Management
- Data Analytics Certificate
- DevSecOps (Development, Security, and Operations)
- Mobile Application Development
- System Administration and Technical Support
- Virtualization and Cloud Computing

Court Reporting

- Captioning
- CART¹ (Communication Access Realtime Translation)
- Computer Editor (Scopist)
- Court and Agency Services
- Court Reporting
- Court Reporting Technology
- Hearing Reporter
- Legal Administrative Assistant
- Legal Transcription
- Proofreading

Dental Assistant

- Dental Assisting

Dental Hygiene

- Administration of Local Anesthesia, Nitrous Oxide-Oxygen Analgesia and Periodontal Soft Tissue Curettage
- Dental Hygiene Pit and Fissure Sealant
- Radiation Safety
- Ultrasonic Scaling and Coronal Polishing

Diagnostic Medical Sonography

- Diagnostic Medical Sonography

Economics

- Business Economics

Energy Sustainable Technologies

- Solar Energy¹
- Sustainable Energy

Geography

- Geographic Information Systems

Hotel, Restaurant, Culinary Arts

- Baking Fundamentals
- Baking and Pastry Arts
- Culinary Fundamentals
- Culinary Management
- Food and Beverage Fundamentals
- Food and Beverage Management
- Food Service Fundamentals
- Hotel Fundamentals
- Hospitality Management
- Special Event Management

Human Services

- Addiction Studies
- Criminal Justice
- Family Studies
- Gerontology
- Human Services Generalist
- Victimology

Kinesiology (formerly Physical Education)

- Aquatic Specialist
- Athletic Coach
- Fitness Specialist
- Recreation Assistant
- Yoga Teacher Training

Management and Marketing

- Business Management
- Commercial Music - Management
- Geographic Information Systems and Marketing
- Marketing
- Small Business Management
- Retail Management

Media Arts Design

- 2D Animation
- 3D Animation
- Advertising and Emerging Technologies
- Character and Background Design for Animation and Game Art
- Digital Cinema Arts and Industry
- Digital Cinema Production
- Digital Cinema Techniques and Technologies
- Digital Illustration
- Graphic Design
- Motion Design
- Post Production Basics for Cinema and Video
- Storyboarding Certificate

Merchandising

- Merchandising

Multimedia

- Multimedia Art

Music

- Recording Arts

Music - Applied

- Music Teacher Technology

Photography

- Creative Photo Arts
- Digital Photography
- Photography
- Portrait and Wedding Photography
- UAV/UAS Drone Photography and Video

Psychiatric Technology

- Psychiatric Technology

Public Health Science

- Community Health Worker

Radiologic Technology

- Imaging Technologist Assistant
- Radiologic Technology¹

Theatre Arts

- Acting and Film Video Production
- Lighting/Audio Design
- Technical Theater

¹ Students must have previously earned an Associate Degree to be eligible for these certificates.

Students with disabilities requiring accommodations on state or national examinations should contact the Department Coordinator for further information. Requests for accommodations should be made prior to applying for any licensing or certification examination.

Department Certificates

Some departments offer certificates of accomplishment in specialty areas. Students should see a counselor for specific information about department certificate requirements.

Transfer Certificates: Cypress College offers transfer certificates for students wishing to complete their lower division general education requirements for UC, CSU, and many private universities that accept CSU GE Breadth or IGETC certification of general education completion. Certificate requirements include:

- Submission of a Certificate Application to the Admissions and Records office,
- Receive grades as indicated below for each certificate,
- Complete at least 3 units in residency at Cypress College.

Application for Certificates

Students may apply for a certificate during the semester they are completing the certificate requirements or thereafter. They do not have to be currently enrolled in Cypress College to apply for a certificate. Those students who have maintained continuous enrollment have the option of completing the certificate requirements in effect at the time they initially enrolled or any subsequent catalog up to and including the last semester of attendance. Students wishing to use courses from another institution to meet Cypress' requirements should meet with a counselor to determine course equivalency.

Applications for certificates are available in the Admissions and Records Office and will be accepted until the deadline. If the application is not filed by the deadline, the student must submit another application and will receive the certificate at a later date. There is no fee for the certificate application. It is the student's responsibility to provide the Cypress College Records Office with official copies of all transcripts from other colleges that will be used to meet requirements for certificates. The transcripts become the property of the Admissions and Records Office and will not be released.

Certificates will be mailed approximately two to three months after the end of the semester in which the student applied and completed the requirements. State approved Program Certificates will be noted on student transcripts. Applications for a Certificate are available in the Admissions and Records office and online at www.CypressCollege.edu. See class schedule for dates of acceptance.

Associate Degrees

Associate degrees are commonly conferred by community colleges. This degree is awarded upon a student's satisfactory completion of a program of study. Students who have maintained continuous enrollment have the option of completing the Associate Degree requirement in effect at the time they initially enrolled or any subsequent catalog up to and including the last semester of attendance. The Associate Degree is one of two types, the Associate in Arts or Associate in Science. The distinction between the degrees lies in the majors. An Associate in Arts Degree includes at least eighteen units in Social Science, Humanities and Arts courses. An Associate in Science degree includes at least eighteen units in Science, Math and Technical courses.

Graduation Requirements for an Associate Degree

Application for an Associate Degree

Occupational Degrees

Associate Degree Graduation Requirements for Cypress College

Graduation Requirements for an Associate Degree

For This Catalog Year

Graduation requirements for the Associate Degree are prescribed by the California Community Colleges Board of Governors, Title 5 and the North Orange County Community College District Board of Trustees. An Associate Degree may be earned upon satisfactory completion of all of the following:

• Residence Requirement

- The student is required to satisfactorily complete at least 12 degree applicable semester units of study in residence at Fullerton College or Cypress College. Units awarded as Credit for Prior Learning, including Credit by Exam, do not count toward associate degree residency units. The Board of Trustees may excuse the residence requirement to alleviate injustice or demonstrated undue hardship.

• Local Graduation Requirement

Liberal Arts Emphasis Degrees

- (1) unit of coursework approved for Physical Activity and Health

• General Education Requirements

All students are required to complete general education. Cypress College has two general education patterns:

- Cypress College Local General Education Pattern
- Cal-GETC
- **The appropriate pattern of general education for a specific degree is listed in the program requirements. Please note for Cypress College Local Degrees (non-ADTs), students have the option of selecting the Cypress College Local General Education, Cal-GETC pattern. This is in effect for all catalog years for which a program has been state approved.**

NOTE: A passing score on an Advanced Placement (AP) exam, College Level Exam Program (CLEP) exam, or International Baccalaureate (IB) exam may allow a student to receive subject credit for various general education requirements. Please reference the *External Exam Credit* policy section of the catalog for more specifics and see your counselor for questions regarding these policies.

• **Major/Area of Emphasis Requirement**

- A student must achieve a grade of C or better in each course attempted that is counted for the major or area of emphasis. Effective Fall 2008, C- (minus) grades do not satisfy these requirements. At least 50% of the major course work must be completed at Cypress College. 50% coursework can be either the number of courses **OR** the number of units - whichever benefits the student for completion of program requirements. (The Liberal Arts Areas of Emphasis in Arts and Humanities, Human Communication, Social and Behavioral Sciences, and Math and Science and the AA-T and AS-T are excluded from the 50% policy.) Each area of emphasis requires a minimum of 18 units.

• **Scholarship Requirement**

- A cumulative grade-point average of 2.00 ("C") in all course work attempted.

• **Elective Courses**

- A student may complete additional degree-applicable classes for a total of 60 units (see Non-Degree Credit Courses for description of classes that are non-degree applicable).

Honors	3.30 - 3.74
High Honors	3.75 - 4.00

Graduation honors are calculated using all degree applicable course work completed. This includes course work completed at Fullerton College and all other accredited institutions for which an official transcript has been received.

Graduation honors will be indicated in the commencement program and on the student's diploma and transcript. However, for candidates (those students with final grades pending), the commencement program will note "candidate" as their degrees and honors have not yet been confirmed. When final grades are posted, a recalculation of grades will be completed and, if the student qualifies, the graduation honor will be noted on the diploma and transcript.

Occupational Degree

The Occupational Degree is designed for individuals who desire an Associate in Arts or Associate in Science Degree with an occupational major. This degree may include transfer and/or non-transfer course work (see Course Numbering section for description of transfer and non-transfer course work) and includes completion of major requirements.

-
- Completion of 25 units of general education from the Cypress Local Gen Ed pattern;
 - Completion of Major courses listed in the catalog with a grade of C or better. A minimum of 50% of these courses must be completed at Cypress College.
 - Completion of additional degree-applicable classes for a total of 60 units (see Non-Degree Credit Courses for description of classes that are non-degree applicable);
 - A 2.0 (C) overall GPA.

Application for an Associate Degree

Although a student may have completed all requirements, an Associate Degree is not automatic. Students who intend to graduate must file an application with the Admissions and Records Office. Courses taken at other regionally accredited colleges and universities to fulfill General Education requirements may be used to satisfy Cypress College General Education requirements if they are comparable to Cypress College General Education courses or are used in the same category at the sending institution, and are degree applicable at Cypress College. (This policy supersedes all previous catalogs.) All official transcripts from other colleges are required at the time of application and become the property of the Admissions and Records Office and will not be released. Diplomas will be mailed approximately two to three months after the last day of the semester to the most recent address on file in the Admissions and Records Office at Cypress College. Applications for an Associate Degree are available in the Admissions and Records office and online at www.CypressCollege.edu. See class schedule for dates of acceptance.

Honors at Graduation

In recognition of academic excellence for completion of the associate degree, students are awarded graduation honors as follows:

-
- Accounting
 - Air Conditioning and Refrigeration
 - Airline Customer Services
 - Art — Graphic Design
 - Automotive Collision Repair
 - Automotive Technology
 - Aviation Management
 - Baking and Pastry Arts
 - Business Management
 - Career Technical Education - Aviation
 - Career Technical Education - Homeland Security
 - Career Technical Education - Tourism
 - Commercial Pilot
 - Computer and Office Applications
 - Computer Information Systems
 - Computer Programming
 - Court Reporting
 - Culinary Arts
 - Cyber Defense
 - Dance

- Dental Hygiene
- Diagnostic Medical Sonography
- Energy and Sustainable Technologies
- Flight Attendant
- Food and Beverage Management
- General Studies: Fine Arts
- Health Information Technology
- Hospitality Management
- Human Services
- Kinesiology (formerly Physical Education)
- Law Office Administration
- LVN to RN
- Marketing
- Merchandising
- Mortuary Science
- Music
- Photography
- Pre-Engineering
- Psychiatric Technology
- PT to RN
- Radiologic Technology
- Registered Dental Assisting
- Registered Nursing
- Retail Management (WAFC)
- Small Business Management
- Theater Arts
- Theater Arts Production
- Travel/Tourism
- UAV/UAS

General Studies: Fine Arts

A.A. Degree

Program Code: 1A18452

The Associate of Art Degree in Fine Arts provides students with a scope of knowledge and broad overview for attaining the communication skills, practical knowledge, and training necessary for a variety of careers in the Fine Arts area. Students completing this degree will develop a basic understanding of the arts and how they interrelate. The Associate of Arts Degree in Fine Arts empowers the student to see Humanities, Math, Science, Engineering, Business and Career Technology through the prism of the arts. Key concepts in general education are reinforced by their connection to the arts. Bridging the wisdom of the ages with contemporary innovations, this program offers a well-rounded education with insight to opportunities in our modern world.

Requirements for the General Studies Degree in Fine Arts

Requirements for the General Studies Degree in Fine Arts are listed under the Interdisciplinary Studies section of this catalog, and include:

- Completion of 25 units of general education;
- Completion of at least 18 units. (Note: Where appropriate, courses may also be counted for a GE area). At least 50% of all course work must be completed at Cypress College;
- Completion of additional degree-applicable classes for a total of 60 units (see Non-Degree Credit Courses for description of classes that are non-degree applicable);
- A 2.0 (C) overall GPA and a 2.0 (C) in all courses taken in the Area of Emphasis.

Multiple Degrees: A student may earn multiple degrees from Cypress College. However, please note the following:

- Students may earn an Associate Degree for Transfer (ADT) and an Associate Degree (AA) in Liberal Arts with an Emphasis in the same discipline but only if they apply to graduate and complete course work for both degrees at the same time.
- After earning an Associate Degree in Liberal Arts with an emphasis, students may earn an ADT in the same discipline.
- After earning an ADT, students may **not** earn an Associate Degree in Liberal Arts with an emphasis in the same discipline.
- Students who have already been awarded an Associate Degree or higher from another accredited college or university in, or outside of, the U.S. are not eligible to receive an Associate Degree in the same major from Cypress College. Petitions for exceptions are reviewed on a case-by-case basis.

Prior Completion of General Education: Students with an earned associate, baccalaureate or higher degree from a regionally accredited institution of higher learning will not be required to complete any additional general education coursework to earn an Associate degree. Students who have been admitted to a Bachelor Degree program at Cypress College and who have already earned a baccalaureate or higher degree from a regionally accredited institution of higher education shall not be required to complete additional upper division general education requirements and shall be required to complete only the coursework necessary for graduation.

*Students still need to meet Social Justice, Equity and Sustainability graduation requirement

Local General Education Requirements for the Associate Degree

General Education requirements at Cypress College are designed to introduce students to the many ways people comprehend the modern world. The subject matter presented in general education courses is designed to be broad, and frequently introductory, rather than specialized, narrow, or advanced. These courses form a pattern of learning experiences designed to develop the following insights and capacities in all students, regardless of their ultimate educational goals:

- Knowledge of the common principles, concepts, and modes of inquiry in the major disciplines;

- Appreciation and understanding of the environment, culture, society, and self;
- Ability to think and communicate clearly and effectively, critically and ethically both orally and in writing;
- Proficiency in mathematics, natural science, and analytical thinking;
- Understanding of the political and economic environment in order to be better informed and more responsible citizens;
- Desire to continue education throughout their lives.

Courses taken for general education must be on the Local General Education pattern at the time they are taken. Continuing students should check with a counselor in planning completion of General Education requirements. Students entering Cypress College in Fall 1995, or later, must complete 25 units of General Education (of the total 60 degree applicable units required for the Associate Degree) taken from the following areas listed on the next page.

Associate Degree Requirements

Major coursework toward an occupational degree (AA or AS), completion of 60-degree eligible units with a minimum grade point average of 2.0 and satisfaction of the 25-unit general education requirement.

Prior Completion of General Education

Students with an earned associate, baccalaureate or higher degree from an institutional accredited institution of higher learning will not be required to complete any additional general education coursework to earn an Associate degree. Students who have been admitted to a Bachelor's Degree program at Cypress College and who have already earned a baccalaureate or higher degree from an institutional accredited institution of higher education shall not be required to complete additional upper division general education requirements and shall be required to complete only the coursework necessary for graduation.

Credit from Prior Institutions

Cypress College may grant credit toward our local degrees and certificates from institutions that have Institutional Accreditation and will be reviewed on a case by case basis.. For students who plan to transfer to a California State University (CSU), University of California (UC) and/or be awarded an Associate Degree for Transfer (ADT), only credits from regionally accredited institutions will be accepted. It is the student's responsibility to arrange to have transcripts sent to the Office of Admissions and Records and reviewed by a Major Area Counselor. Please meet with a counselor for more information: Cypress College Major Area Counseling Services.

Transfer Credit from Foreign Institutions

Foreign transcripts must be evaluated by an accredited evaluation service and submitted to the Admissions and Records Office. The evaluation must include a detailed report that includes course, unit, and GPA breakdowns in order for credit toward an associate degree to be considered. A list of acceptable accrediting agencies may be found at: National Association of Credential Evaluation Services (NACES).

Courses taken for general education must be on the native AA/AS General Education list at the time they are taken. Students should check with their counselor in planning completion of General Education requirements.

CATEGORY 1. ENGLISH COMPOSITION ORAL COMMUNICATION or CRITICAL THINKING:

Code	Title	Units
6 UNIT MINIMUM		
<i>Must be completed with a grade of "C" or better.</i>		
<i>ENGLISH COMPOSITION: 3 Unit Minimum</i>		
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing) ⁵	
or ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	
ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	
or ENGL C1000HA	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	
ESL 110 C	College Composition for Non-Native Speakers	5
<i>ORAL COMMUNICATION OR CRITICAL THINKING: 3 Unit Minimum</i>		
COMM 050 C	Effective Communication	3
COMM C1000	Introduction to Public Speaking (formerly COMM 100 C Human Communication) ^{2,5}	
or COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
COMM 110 C	Mediated Public Speaking	3
or COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	
COMM 135 C	Argument and Critical Thinking ²	3
CIS 111 C	Computer Information Systems	3
ENGL C1001	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing) ^{2,5}	
or ENGL C1001H	Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	
ENGL 104 C	Critical Analysis and Literature	4
or ENGL C1001H	Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	
ENGL 135 C	Grammar and Usage	3
PHIL 170 C	Logic and Critical Thinking ^{2,5}	3
or PHIL 170HC	Honors Logic and Crit Thinking	
PHIL 172 C	Critical Thinking and Writing	3
or PHIL 170HC	Honors Logic and Crit Thinking	
PHIL 175 C	Symbolic Logic	3

CATEGORY 2. MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING:

Code	Title	Units
3 UNIT MINIMUM		
<i>Must be completed with a grade of "C" or better.</i>		
MATH 100 C	Liberal Arts Mathematics	3
MATH 110 C	Math for Prospective Teachers	4

or MATH 110PC Math for Prospective Teachers		
MATH 115 C	Finite Mathematics	4
or MATH 115PC Finite Mathematics		
MATH 120PC	Introduction to Probability and Statistics	4
MATH 126 C	Introduction to Probability and Statistics with Technology	4
MATH 130 C	Business Calculus	4
or MATH 130PC Business Calculus		
MATH 141 C	College Algebra	4
or MATH 141PC College Algebra		
MATH 142 C	Trigonometry	4
MATH 150AC	Calculus I	4
or MATH 150PC Calculus I		
MATH 150BC	Calculus II	4
MATH 220 C	Introduction to Data Science with R	4
MATH 250AC	Multivariable Calculus	4
MATH 250BC	Linear Algebra and Differential Equations	5
PSY 161 C	Probability and Statistics-Social Sciences	4
or PSY 161HC Honors Prob Stats-Soc Sci		
SOC 161 C	Probability and Statistics-Social Sciences	4
or SOC 161HC Honors Probability and Statistics-Social Sciences		
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	

NOTE: Per Title 5, Intermediate Algebra meets the math requirement

CATEGORY 3. ARTS AND HUMANITIES:

Code	Title	Units
6 UNIT MINIMUM		
<i>ARTS: 3 Unit Minimum</i>		
ART 100 C	Fundamentals of Art for Non-Art Majors	3
ART 110 C	Introduction to Art	3
ART 111 C	Survey of Art History I	3
ART 112 C	Survey of Art History II	3
or ART 112HC Honors Survey of Art History II		
ART 114 C	Modern Art History	3
ART 116 C	Arts of Africa, Oceania, and Indigenous North America	3
ART 120 C	Two-Dimensional Design	3
ART 121 C	Three-Dimensional Design	3
ART 122 C	Introduction to Digital Art (formerly ART 122 C Gallery and Portfolio Design)	3
ART 150 C	Ceramics Handbuilding	3
ART 151 C	Ceramics Throwing	3
ART 182 C	Beginning Drawing	3
ART 185 C	Beginning Life Drawing	3
ART 194 C	Beginning Painting (formerly ART 189 C)	3
ART 216 C	Latin American Art	3
DANC 100 C	Introduction to Dance Appreciation	3
DANC 101 C	Multicultural Dance in the US	3
DANC 105 C	Ballet I	2

DANC 106 C	Ballet II	2
DANC 107 C	Modern Dance I	2
DANC 108 C	Modern Dance II	2
DANC 111 C	Jazz Dance I	2
DANC 112 C	Jazz Dance II	2
DANC 147 C	Costume Design for Dance	3
DANC 149 C	Light Design for Dance	3
DANC 151 C	Dance and Technology (Begin F19)	2
ENGL 125 C	The Film	3
or ENGL 125HC Honors Film		
MAD 110 C	Animation History Technology	3
MAD 122 C	History of Graphic Design	3
MAD 126 C	Crime Film Genre	3
MAD 127 C	Fantasy Film Genre	3
MAD 128 C	Comedy Film Genre	3
MAD 129 C	Musical Film Genre	3
MAD 131 C	Introduction to Media (formerly MM 105 C)	3
MAD 191 C	Film Noir Genre	3
MAD 192 C	Great Directors of Cinema	3
MAD 195 C	Science Fiction Film Genre	3
MAD 196 C	Silent Film Genre	3
MAD 197 C	Western Film Genre	3
MAD 198 C	Horror Film Genre	3
MUS 101 C	Music Fundamentals	3
MUS 113 C	Jazz History	3
MUS 114 C	History of Hip Hop - Rap	3
MUS 116 C	Music Appreciation	3
MUS 117 C	American Popular Music	3
MUS 118 C	Introduction to Opera	3
or MUS 118HC Honors Introduction to Opera		
MUS 119 C	History of Rock Music	3
MUS 120 C	Survey of Music History	3
MUS 127 C	Music in Film	3
MUS 280 C	Jazz and Musical Theater Choir	1
MUS 282 C	Cypress Masterworks Chorale	1
PHOT 101 C	Introduction to Photography	3
PHOT 204 C	History of Photography	3
THEA 100 C	Introduction to the Theatre	3
THEA 101 C	Play Analysis	3
THEA 102 C	World Theatre History	3
THEA 105 C	Musical Theatre History	3
THEA 107 C	Diversity in American Theatre	3
or THEA 107HC Honors Diversity in American Theatre		
THEA 108 C	Playwriting (formerly Stage and Screenwriting)	3
THEA 120 C	Acting I	3
THEA 126 C	Musical Theatre Techniques I	3
THEA 129 C	Voice and Diction	3
THEA 132 C	Musical Theatre Performance I	2-3
THEA 133 C	Rehearsal Performance I	2-3
THEA 149 C	Stage Crew I - Running	1-2

HUMANITIES: 3 Unit Minimum

ANTH 105 C	Introduction to Linguistic Anthropology (Begin F14)	3	ETHS 170 C	Introduction to Asian Pacific American Studies	3
ANTH 107 C	Magic Witchcraft and Religion	3	ETHS 202 C	Race, Ethnicity, and Popular Culture	3
CHIN 100 C	Beginning Spoken Chinese	3	FREN 101 C	Elementary French I	5
CHIN 101 C	Elementary Chinese-Mandarin I	5	FREN 102 C	Elementary French II	5
CHIN 102 C	Elementary Chinese-Mandarin II	5	FREN 200 C	Conversational French	2
CHIN 203 C	Intermediate Chinese-Mandarin III	5	FREN 203 C	Intermediate French III	4
CHIN 204 C	Intermediate Chinese-Mandarin IV	4	FREN 204 C	Intermediate French IV	4
COMM 220 C	The Rhetoric of the City	3	HIST 110 C	Western Civilizations I	3
or COMM 220HC	Honors Rhetoric of the City		or HIST 110HC	Honors Western Civilizations I	
ENGL 102 C	Introduction to Literature	3	HIST 111 C	Western Civilizations II	3
or ENGL 102HC	Honors Introduction to Literature		or HIST 111HC	Honors Western Civilizations II	
ENGL 110 C	Humanities - Ancient and Medieval	3	HIST 112 C	World Civilizations I	3
ENGL 111 C	Humanities - Renaissance - Present (same as INDS 101 C)	3	or HIST 112HC	Honors World Civilizations I	
ENGL 126 C	Introduction to Screenwriting	3	HIST 113 C	World Civilizations II	3
ENGL 127 C	Introduction to Poetry Writing	3	or HIST 113HC	Honors World Civilizations II	
ENGL 128 C	Introduction to Short Story Writing	3	HIST 120 C	History of the Holocaust	3
ENGL 130 C	Introduction to Creative Nonfiction Writing	3	HIST 125 C	U.S. History: Conflict West	3
ENGL 208 C	Asian American Literature	3	HIST 160 C	Asian Civilizations I	3
ENGL 211 C	English Literature to 1760	3	HIST 161 C	Asian Civilizations II	3
ENGL 212 C	English Literature Since 1760	3	HIST 163 C	History of Mexico	3
ENGL 221 C	American Literature to 1865	3	HIST 165 C	History of the Middle East	3
ENGL 222 C	American Literature Since 1865	3	HIST 170 C	History of the United States I	3
ENGL 223 C	World Literature to 1650	3	or HIST 170HC	Honors History of the United States I	
ENGL 224 C	World Literature Since 1650	3	HIST 171 C	History of the United States II	3
ENGL 234 C	Shakespeare	3	or HIST 171HC	Honors History of the United States II	
or ENGL 234HC	Honors Shakespeare		HIST 270 C	Women in United States History	3
ENGL 239 C	Survey - Children's Literature	3	HIST 275 C	History of California	3
ENGL 243 C	Mythology	3	INDS 100 C	Humanities - Ancient and Medieval (same as ENGL 110 C)	3
ENGL 248 C	Science Fiction	3	INDS 101 C	Humanities: Renaissance-Present	3
ENGL 249 C	Fantasy Fiction	3	JAPN 100 C	Spoken Japanese for Beginners	3
ENGL 250 C	Latino-a-x Literature	3	JAPN 101 C	Elementary Japanese I	5
ENGL 255 C	African-American Literature I	3	JAPN 102 C	Elementary Japanese II	5
ENGL 256 C	African-American Literature II	3	JAPN 125 C	Japanese Culture through Film	3
ENGL 260 C	Survey of Arabic Literature (in translation)	3	JAPN 200 C	Conversational Japanese (begin F'19)	2
or ENGL 260HC	Honors Survey of Arabic Literature		JAPN 203 C	Intermediate Japanese III	4
ESL 108 C	Exploring Culture through Academic Discourse I	5	JAPN 204 C	Intermediate Japanese IV	4
ESL 109 C	Exploring Culture through Academic Discourse II	5	JOUR 110 C	Global Media	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3	KIN 246 C	Sports in Film	3
or ETHS 101HC	Honors American Ethnic Studies		LING 101 C	Introduction to Language	3
ETHS 129 C	Introduction to African-American Studies	3	PHIL 100 C	Introduction to Philosophy	3
ETHS 130 C	African-American History I	3	or PHIL 101HC	Honors Introduction to Religious Studies	
ETHS 131 C	African-American History II	3	PHIL 101 C	Intro to Religious Studies	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3	or PHIL 101HC	Honors Introduction to Religious Studies	
ETHS 151 C	Chicana-o-x History I	3	PHIL 105 C	World Religions	3
ETHS 152 C	Chicana-o-x History II	3	PHIL 110 C	Religions of the East	3
ETHS 159 C	Introduction to Native American Studies	3	PHIL 120 C	Religions of the West	3
ETHS 160 C	Native American History I	3	PHIL 135 C	Social and Political Philosophy	3
ETHS 161 C	Native American History II	3	PHIL 160 C	Introduction to Ethics	3
			PHIL 162 C	Contemporary Moral Issues	3
			PHIL 201 C	History of Ancient Philosophy	3

PHIL 202 C	History of Modern Philosophy	3
PHIL 225 C	The American Religious Experience	3
PHIL 230 C	Philosophy of Religion	3
PHIL 240 C	Jesus and His Interpreters	3
SPAN 101 C	Elementary Spanish I	5
SPAN 102 C	Elementary Spanish II ¹	5
SPAN 200 C	Conversational Spanish	2
SPAN 201 C	Spanish for Spanish Speakers I	5
SPAN 202 C	Spanish for Spanish Speakers II	5
SPAN 203 C	Intermediate Spanish III	4
SPAN 204 C	Intermediate Spanish IV	4

CATEGORY 4. SOCIAL AND BEHAVIORAL SCIENCES:

Code	Title	Units
3 UNIT MINIMUM		
AJ 110 C	Introduction to Criminal Justice	3
AJ 120 C	Concepts of Criminal Law	3
ANTH 102 C	Cultural Anthropology	3
or ANTH 102HC	Honors Cultural Anthropology	
ANTH 103 C	Introduction to Archaeology	3
ANTH 104 C	Comparative Cultures	3
ANTH 105 C	Introduction to Linguistic Anthropology	3
ANTH 106 C	Human Prehistory and Ancient Civilizations	3
ANTH 107 C	Magic Witchcraft and Religion	3
ANTH 121 C	Native North America	3
ANTH 208 C	Anthropology of Death	3
ANTH 212 C	Applied and Practicing Anthropology (formerly ANTH 211 C)	3
ANTH 225 C	Ancient Cultures of Mexico and Central America	3
BUS 100 C	Introduction to Business	3
BUS 266 C	Human Relations in Business	3
COMM 105 C	Interpersonal Communication	3
COMM 120 C	Intercultural Communication	3
COMM 220 C	The Rhetoric of the City	3
or COMM 220HC	Honors Rhetoric of the City	
ECON 100 C	Principles of Economics-Macro	3
or ECON 100HC	Honors Princ of Econ-Macro	
ECON 105 C	Principles of Economics-Micro	3
or ECON 105HC	Honors Princ of Econ - Micro	
ECON 110 C	Survey of Economics	3
ECON 120 C	International Economics	3
ECON 130 C	Consumer Economics	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 129 C	Introduction to African-American Studies	3
ETHS 130 C	African-American History I	3
ETHS 131 C	African-American History II	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3

ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues	3
ETHS 159 C	Introduction to Native American Studies	3
ETHS 160 C	Native American History I	3
ETHS 161 C	Native American History II	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
ETHS 171 C	Asian Pacific American History	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3
ETHS 235 C	American Racial Liberation Movements	3
DSST 120 C	The History of Disability in the United States	3
DSST 200 C	Introduction to Disability Studies	3
GEOG 100 C	World Geography	3
or GEOG 100HC	Honors World Geography	
GEOG 130 C	California Geography	3
GEOG 160 C	Cultural Geography	3
GEOG 260 C	Economic Geography	3
HIST 110 C	Western Civilizations I	3
or HIST 110HC	Honors Western Civilizations I	
HIST 111 C	Western Civilizations II	3
or HIST 111HC	Honors Western Civilizations II	
HIST 112 C	World Civilizations I	3
or HIST 112HC	Honors World Civilizations I	
HIST 113 C	World Civilizations II	3
or HIST 113HC	Honors World Civilizations II	
HIST 120 C	History of the Holocaust	3
HIST 124 C	U.S. Hispanic History to 1945	3
HIST 125 C	U.S. History: Conflict West	3
HIST 135 C	History of Africa	3
HIST 142 C	History of Latin America I	3
HIST 143 C	History of Latin America II	3
HIST 151 C	Survey of British History I	3
HIST 152 C	Survey of British History II	3
HIST 160 C	Asian Civilizations I	3
HIST 161 C	Asian Civilizations II	3
HIST 163 C	History of Mexico	3
HIST 165 C	History of the Middle East	3
HIST 170 C	History of the United States I	3
or HIST 170HC	Honors History of the United States I	
HIST 171 C	History of the United States II	3
or HIST 171HC	Honors History of the United States II	
HIST 190 C	History of the Americas I (formerly HIST 162AC)	3
HIST 191 C	History of the Americas II (formerly HIST 162BC)	3
HIST 270 C	Women in United States History	3
HIST 275 C	History of California	3
HS 277 C	Cultural Awareness and the Health Care System	3
HUSR 200 C	Introduction to Human Services	3

INDS 200 C	Introduction to Global Citizenship Studies	3
INDS 201 C	Global Citizenship Issues	3
JOUR 110 C	Global Media	3
KIN 248 C	Psychology of Sport	3
KIN 249 C	Sport and United States Society (formerly PE 250 C)	3
PHIL 165 C	Business Ethics	3
PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
PHS 283 C	Women's Health (formerly KIN 283 C)	3
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
POSC 120 C	Political Theory	3
POSC 200 C	Introduction to Political Science	3
POSC 209 C	Urban Politics	3
POSC 210 C	Contemporary Political Issues	3
POSC 215 C	Comparative Politics	3
POSC 216 C	Politics of the Middle East	3
POSC 230 C	International Relations	3
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	
or POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government)	
PSY 110 C	Applied Psychology	3
PSY 120 C	Human Sexuality	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
PSY 139 C	Developmental Psychology	3
PSY 145 C	Child Psychology	3
PSY 202 C	Research Methods in Psychology	4
PSY 221 C	The Brain and Behavior	3
PSY 222 C	Abnormal Psychology	3
PSY 251 C	Social Psychology	3
PSY 255 C	Psychology of Aging	3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology)	
or PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	
REC 102 C	Recreation - Sport Leadership and Diverse Groups	3
SOC 101 C	Introduction to Sociology	3
or SOC 101HC	Honors Introduction to Sociology	
SOC 102 C	Social Problems	3
SOC 125 C	Sociology Research Methods	3
SOC 225 C	Sociology of Women	3
SOC 250 C	Sociology of Aging	3

SOC 275 C	Marriage and Family	3
SOC 277 C	Sociology of Religion	3
SOC 280 C	Media, Culture, and Society	3
SOC 290 C	Sociology of Contemporary Race and Ethnic Relations	3
SOC 292 C	Introduction to Criminology	3

CATEGORY 5. LIFE SCIENCES AND PHYSICAL SCIENCES:

Code	Title	Units
3 UNIT MINIMUM		
ANTH 101 C & ANTH 101LC or ANTH 101HC	Biological Anthropology and Biological Anthropology Lab Honors Biological Anthropology	3
ANTH 210 C	Introduction to Forensic Anthropology	3
ASTR 116 C & ASTR 117 C	Introduction to Astronomy and Astronomy Lab	4
ASTR 116HC & ASTR 117HC	Honors Introduction to Astronomy and Honors Astronomy Lab	4
BIOL 101 C or BIOL 101HC	General Biology Honors General Biology	4
BIOL 102 C	Human Biology	3
BIOL 103 C	Environmental Science	3
BIOL 122 C	Marine Biology	4
BIOL 135AC	Principles of Biology 1: Cell and Molecular Biology	5
BIOL 135BC	Principles of Biology 2: Organismal Biology	5
BIOL 160 C	Fundamentals of Human Anatomy and Physiology	3
BIOL 210 C	Anatomy and Physiology	5
BIOL 220 C	Medical Microbiology	4
BIOL 231 C	General Human Anatomy	4
BIOL 241 C	General Human Physiology	4
BIOL 277 C	Genetics	3
BIOL 278 C	Molecular Biology	4
CHEM 100 C	Chemistry for Daily Life	4
CHEM 101 C	Chemistry for Health Science Majors I	4.5
CHEM 103 C	Chemistry and Society	3
CHEM 104 C	Physical Science for Teachers	4
CHEM 107 C	Preparation for General Chemistry	5
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
CHEM 201 C	Chemistry for Health Science Majors II	4.5
GEOG 102 C & GEOG 102LC	Physical Geography and Physical Geography - Lab	3
GEOG 140 C	Weather and Climate	3
GEOL 100 C & GEOL 101 C	Physical Geology and Physical Geology Laboratory	4
GEOL 100HC & GEOL 101 C	Honors Physical Geology and Physical Geology Laboratory	4
GEOL 100 C & GEOL 115 C	Physical Geology and Physical Geology Field Lab	4

GEOL 100HC & GEOL 115 C	Honors Physical Geology and Physical Geology Field Lab	4
GEOL 103 C	Historical Geology	4
GEOL 104 C	Geology of National Parks	3
GEOL 105 C	Earth Science for Teachers	4
GEOL 120 C	Geology of California	3
GEOL 125 C	Natural Disasters	3
GEOL 130 C & GEOL 131 C	Introduction to Oceanography and Introduction to Oceanography Lab	4
GEOL 190 C	Environmental Geology	3
PHS 107 C	Nutrition and World Food Issue	3
PHSC 104 C	Physical Science for Teachers	4
PHYS 130 C	Elementary Physics	4
PHYS 201 C	College Physics I	4
PHYS 202 C	College Physics II	4
PHYS 210 C	Physics for Life Sciences I	4
PHYS 211 C	Physics for Life Sciences II	4
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
PHYS 223 C	General Physics III	4
PSY 221 C	The Brain and Behavior	3

CATEGORY 6. ETHNIC STUDIES:

Code	Title	Units
<i>3 UNIT MINIMUM</i>		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
or ETHS 101HC	Honors American Ethnic Studies	
ETHS 129 C	Introduction to African-American Studies	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 159 C	Introduction to Native American Studies	3
ETHS 161 C	Native American History II	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
ETHS 171 C	Asian Pacific American History	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3
ETHS 235 C	American Racial Liberation Movements	3

CATEGORY 7. PHYSICAL ACTIVITY AND HEALTH:

Code	Title	Units
<i>1 UNIT MINIMUM</i>		
DANC 102 C	Pilates Mat Work	1
DANC 105 C	Ballet I	2
DANC 106 C	Ballet II	2
DANC 107 C	Modern Dance I	2
DANC 108 C	Modern Dance II	2
DANC 109 C	Dance Improvisation	2
DANC 110 C	Adaptive Dance	1
DANC 111 C	Jazz Dance I	2
DANC 112 C	Jazz Dance II	2
DANC 113 C	Tap Dance I	1

DANC 114 C	Tap Dance II	1
DANC 115 C	Hip Hop Dance	1
DANC 116 C	Ballet III	2
DANC 117 C	Modern Dance III	2
DANC 130 C	Afro-Caribbean Dance	1
DANC 136 C	Middle Eastern Dance	1
DANC 137 C	Latin and Swing Dance	1
DANC 140 C	Summer Dance Festival I	1.5-2
DANC 141 C	Performance Class I (formerly DANC 204 C)	2-3
DANC 142 C	Performance Class II	2-3
DANC 143 C	Performance Class III	2-3
DANC 144 C	Performance Class IV	2-3
DANC 145 C	Summer Dance Festival II	1.5-2
DANC 203 C	Dance Production I	0.5-2
DANC 205 C	Dance Ensemble	1-2
DANC 206 C	Dance Production II	0.5-2
DANC 296 C	Dance Open Laboratory	0.5-3
DANC 298 C	Dance Seminar	0.5-12
DANC 299 C	Dance Independent Study	0.5-2
HRC 100 C	Nutrition	3
HRC 100HC	Honors Nutrition	3
KIN 100 C	Adapted Kinesiology Weight Training (formerly PE 100 C)	1
KIN 101 C	Adapted Kinesiology Activity (formerly PE 101 C)	1
KIN 106 C	Electronic Sports - Beginning	1
KIN 107 C	Electronic Sports - Intermediate	1
KIN 108 C	Electronic Sports - Advanced	1
KIN 109 C	Spirit Squad (formerly PE 179 C)	1-2
KIN 110 C	Surfing (formerly PE 122 C)	0.5-1
KIN 111 C	Swimming (formerly PE 134 C)	0.5-1
KIN 112 C	Swimming-Intermediate-Advanced	0.5-1
KIN 114 C	Springboard Diving (formerly PE 136 C)	0.5-1
KIN 115 C	Springboard Diving - Intermediate - Advanced	0.5-1
KIN 116 C	Swim for Fitness (formerly PE 149 C)	0.5-1
KIN 117 C	Water Aerobics (formerly PE 151 C)	0.5-1
KIN 118 C	Aqua Zumba	1
KIN 119 C	Aqua Bootcamp	1
KIN 120 C	Kick-Boxing (formerly PE 163 C)	0.5-1
KIN 121 C	Self-Defense (formerly PE 170 C)	0.5-1
KIN 128 C	Yoga-Intermediate	0.5-1
KIN 129 C	Vinyasa Yoga	0.5-1
KIN 130 C	Yoga (formerly PE 102 C)	0.5-1
KIN 131 C	Restorative and Gentle Yoga	0.5-1
KIN 132 C	Hatha Yoga	0.5-1
KIN 133 C	Cardiovascular Conditioning (formerly PE 114 C)	0.5-1
KIN 134AC	Walking for Fitness - Beginning (formerly KIN 134 C)	1
KIN 134BC	Walking for Fitness - Intermediate	1
KIN 134CC	Walking for Fitness - Advanced	1
KIN 135 C	Cardio Step (formerly PE 129 C)	0.5-1

KIN 136 C	Cardio Step - Intermediate (formerly Step Aerobics - Intermediate)	1	KIN 181 C	Futsal - Intermediate	0.5-1
KIN 137 C	Mountaineering and Rock Climbing (formerly PE 142 C)	0.5-1	KIN 182 C	Futsal - Advanced	0.5-1
KIN 138 C	Body Sculpt (formerly PE 148 C)	0.5-1	KIN 183 C	Volleyball - Beginning (formerly PE 144 C)	0.5-1
KIN 139 C	Cardio Blast (formerly PE 150 C)	0.5-1	KIN 184 C	Volleyball - Intermediate (formerly PE 145 C)	0.5-1
KIN 140 C	Fitness Training (formerly PE 152 C)	0.5-1	KIN 185 C	Volleyball - Advanced	0.5-1
KIN 142 C	Power Training (formerly PE 156 C)	0.5-1	KIN 186 C	Beach Volleyball - Beginning (formerly PE 126 C)	0.5-1
KIN 143 C	Strength Training (formerly PE 159 C)	0.5-1	KIN 187 C	Beach Volleyball - Intermediate (formerly PE 128 C)	0.5-1
KIN 144 C	Boot Camp Workout - Intermediate (formerly HIIT - High Intensity Interval Training)	0.5-1	KIN 188 C	Beach Volleyball - Advanced	0.5-1
KIN 145 C	Boot Camp Workout (formerly PE 168 C)	0.5-1	KIN 189 C	Basketball - Beginning (formerly PE 181 C)	0.5-1
KIN 146 C	Cardio Core (formerly PE 178 C)	0.5-1	KIN 190 C	Basketball - Intermediate (formerly PE 160 C)	0.5-1
KIN 147 C	Body Building and Development (formerly PE 182 C)	0.5-1	KIN 191 C	Basketball - Advanced	0.5-1
KIN 148 C	Total Body Fitness (formerly PE 187 C)	0.5-1	KIN 192 C	Water Polo (formerly PE 146 C)	0.5-1
KIN 149 C	Weight Training and Lifting (formerly PE 193 C)	0.5-1	KIN 193AC	Soccer - Beginning (formerly KIN 193 C)	1
KIN 150AC	Trail Hiking - Beginning	1	KIN 193BC	Soccer - Intermediate	1
KIN 150BC	Trail Hiking - Intermediate	1	KIN 193CC	Soccer - Advanced	1
KIN 150CC	Trail Hiking - Advanced	1	KIN 194 C	Softball (formerly PE 172 C)	0.5-1
KIN 156AC	Fitness for the First Responder Beginning	1	KIN 195AC	Baseball - Beginning (formerly KIN 195 C)	1
KIN 156BC	Fitness for the First Responder Intermediate	1	KIN 195BC	Baseball - Intermediate	1
KIN 156CC	Fitness for the First Responder Advanced	1	KIN 195CC	Baseball - Advanced	1
KIN 158AC	Tactical Fitness for Fire Fighters	1	KIN 197 C	Flag Football (formerly PE 197 C)	0.5-1
KIN 157AC	Tactical Fitness for Law Enforcement	1	KIN 198 C	Athletic Weight Training (formerly PE 104 C)	0.5-3
KIN 151 C	Spinning-Beginning	0.5-1	KIN 199 C	Conditioning for Athletes (formerly PE 162 C)	0.5-3
KIN 152 C	Spinning - Intermediate	0.5-1	KIN 200 C	Athletic Skill Development	1-3
KIN 153 C	Spinning - Advanced	0.5-1	KIN 201 C	Athletic Fitness Development	1-3
KIN 154 C	Triathlon - Beginning	0.5-1	KIN 202 C	Intercollegiate Baseball (formerly PE 202 C)	3
KIN 155 C	Triathlon - Intermediate	0.5-1	KIN 203 C	Intercollegiate Basketball - Men (formerly PE 203 C)	1.5-3
KIN 160 C	Badminton - Beginning (formerly PE 105 C Badminton)	0.5-1	KIN 204 C	Intercollegiate Basketball - Women (formerly PE 204 C)	1.5-3
KIN 161 C	Badminton - Intermediate	0.5-1	KIN 205 C	Intercollegiate Beach Volleyball - Women (formerly PE 217 C)	3
KIN 162 C	Badminton - Advanced	0.5-1	KIN 206 C	Intercollegiate Golf - Men (formerly PE 208 C)	3
KIN 163 C	Table Tennis (formerly PE 107 C)	0.5-1	KIN 207 C	Intercollegiate Golf - Women	3
KIN 164 C	Bowling - Beginning (former PE 108 C)	0.5-1	KIN 210 C	Intercollegiate Soccer - Men (formerly PE 209 C)	3
KIN 165 C	Bowling - Intermediate	0.5-1	KIN 211 C	Intercollegiate Soccer - Women	3
KIN 166 C	Bowling - Advanced	0.5-1	KIN 212 C	Intercollegiate Softball - Women (formerly PE 210 C)	3
KIN 168 C	Tennis - Beginning (formerly PE 139 C)	0.5-1	KIN 213 C	Intercollegiate Swimming - Men (formerly PE 211 C)	3
KIN 169 C	Tennis - Intermediate (formerly PE 141 C)	0.5-1	KIN 214 C	Intercollegiate Swimming - Women (formerly PE 212 C)	3
KIN 170 C	Tennis - Advanced	0.5-1	KIN 215 C	Intercollegiate Tennis (formerly PE 214 C)	3
KIN 171 C	Golf - Beginning (formerly PE 115 C)	0.5-1	KIN 217 C	Intercollegiate Volleyball - Women (formerly PE 218 C)	3
KIN 172 C	Golf - Intermediate (formerly PE 157 C)	0.5-1	KIN 218 C	Intercollegiate Water Polo - Women (formerly PE 219 C)	3
KIN 173 C	Golf - Advanced	0.5-1	KIN 219 C	Intercollegiate Water Polo - Men	3
KIN 174 C	Pickleball - Beginning	0.5-1			
KIN 175 C	Pickleball - Intermediate	0.5-1			
KIN 176 C	Pickleball - Advanced	0.5-1			
KIN 177AC	Beginning Fitness Training	1-2			
KIN 177BC	Intermediate Fitness Training	1-2			
KIN 180 C	Futsal - Beginning (formerly PE 109 C)	0.5-1			

KIN 222 C		3
KIN 244 C	Lifetime Fitness and Wellness (formerly Human Performance)	3
KIN 290 C	Philosophy and Consciousness of Yoga	3
KIN 291 C	Yoga and the Physical Body	3
KIN 292 C	Yoga and the Subtle Body	3
KIN 293 C	Contemporary Yoga Studies	3
PHS 280 C	Introduction to Public Health (formerly KIN 280 C)	3
or PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	
PHS 281 C	Health and Social Justice (formerly KIN 281 C)	3
or PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	
PHS 283 C	Women's Health (formerly KIN 283 C)	3
PHS 284 C	Contemporary Personal Health (formerly KIN 284 C)	3
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
PHS 294 C	Interpersonal Neurobiology and the Mind-Body Connection	3
PHS 296 C	Whole Systems Integrative Health	3

NOTES

- Courses may satisfy requirements for one GE area only.
- Duplicate credit not granted for the same cross listed courses, nor for non-honors and honors classes.
- In order to receive General Education credit, the course must be on the official approved list at the time the course is taken.
- Please see a counselor to determine your catalog rights and the applicability of courses completed.

View the current Cypress College Local GE course list on-line at:
<https://catalog.nocccd.edu/cypress-college/programs-study/associate-degrees/general-education-native-requirements-associate-degree/>
 Please confer with a counselor for more information and to discuss your major requirements

Area 1: English Composition, Oral Communication, and Critical Thinking (6 units)

1A: English Composition (3 units): Courses fulfilling this requirement must be baccalaureate-level and include expository and argumentative writing.

1B: Oral Communication and Critical Thinking (3 units): Courses fulfilling this requirement must be baccalaureate-level and may include oral communication and critical thinking courses.

Area 2: Mathematical Concepts and Quantitative Reasoning (3 units)

Courses fulfilling this requirement must be at least college-level and may include mathematics or quantitative reasoning courses, including logic, statistics, computer languages, and related disciplines.

Area 3: Arts and Humanities (3 units)

Courses in the humanities study the cultural activities and artistic expressions of human beings. Such courses develop students' awareness of how people throughout the ages and in different cultures respond to themselves and the world around them in artistic and cultural creation and develop students' aesthetic understandings and abilities to make value judgments. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses* in the visual and performing arts, art history, foreign languages, literature, philosophy, religion, and related disciplines.

Area 4: Social and Behavioral Sciences (3 units)

Courses in the social and behavioral sciences focus on people as members of society and develop awareness of the methods of inquiry used by the social and behavioral sciences. They stimulate critical thinking about how people act and have acted in response to their societies and promote appreciation of how societies and social subgroups operate. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses* in cultural anthropology, cultural geography, economics, history, political science, psychology, sociology, and related disciplines.

Area 5: Natural Sciences (3 units)

Courses in the natural sciences examine the physical universe, its life forms, and its natural phenomena, helping students appreciate and understand the scientific method and the relationships between science and other human activities. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses* in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physical geography, physical anthropology, physics, and other scientific disciplines.

Area 6: Ethnic Studies (3 units)

Courses fulfilling this requirement may include baccalaureate-level courses in the four autonomous disciplines within Ethnic Studies: Black Studies; African American Studies; Africana Studies; Native American Studies; Chicano/a/x; Latino/a/x Studies/La Raza Studies; and Asian American Studies.

Area 7: Physical Activity and Health (1 unit)

Students will select one course: one Physical Activity course or a course in Health. Courses in this area equip students with the knowledge, skills, and abilities needed to engage in physical activity and make informed decisions about their health. Courses fulfilling this requirement provide comprehensive understanding of how physical activity and health practices influence overall personal and community well-being.

Transfer Programs

Transfer programs include course work in an academic area, general education requirements, and elective work for transfer to a four year baccalaureate institution. Transfer programs are designed to parallel the courses offered for freshmen and sophomores at other colleges and universities. In most cases, baccalaureate institutions prefer community college students to complete the lower division general education requirements and at least 60 transferable semester/quarter units. Generally, no more than 70 semester units earned at California community colleges will be applied toward a baccalaureate degree.

Visit the Transfer Center website at <http://www.CypressCollege.edu/services/transfer>.

- How to Transfer to a Four-Year College
- Liberal Arts Degrees
- Associate Degrees for Transfer (Associate in Arts/Associate in Science Degree for Transfer) (ADT)
- California General Education Transfer Curriculum (Cal-GETC)
- Transfer of Credit

How to Transfer to a Four-Year College

Each college or university has its own admission standards and curriculum requirements. Students should decide as soon as possible on the transfer school in order to identify the courses that must be completed and the grades that must be achieved prior to transfer. In general, students who attend Cypress College may transfer to a four-year college or university without loss of time or credits if, while in attendance, they accomplish the following:

- Satisfy the lower-division general education requirements prescribed by the transfer institution.
- Fulfill the lower-division major requirements prescribed by the transfer institution.
- Remove any subject or grade deficiencies incurred in high school, if required by the transfer institution for admission.
- Complete a minimum of 60 and a maximum of 70 transferable units.
- Maintain the appropriate GPA required by the transfer institution.

Grades are the best indicator of success in academic work. A grade of C or better in all transfer courses is a requirement for transfer to most four-year colleges. Grades in the major should be significantly higher. Students should confer with a counselor for the specific requirements of the school of their choice. The following links below indicate the general education transfer requirements for those colleges and universities most frequently utilized by Cypress College students. These transfer agreements are subject to an ongoing review and revision by the transfer institutions. The transfer agreements listed in the links below represent agreements at the time of publication. Students should contact a counselor or the transfer institution of their choice for current information.

Cal-GETC

Transfer of Credit

Transfer of Credit TO Cypress College

Students seeking credit for coursework taken at another institution will need to have their coursework evaluated at Cypress College to determine which credit/course can be applied to satisfy General Education and/or Major Requirements. Students must present transcripts from other educational institutions to initiate the Transfer of Credit process. For a list of approved courses, please see an Academic Counselor in your Major.

Academic Counselors: <https://www.cypresscollege.edu/services/counseling/meet-the-counselors/>

Transfer of Credit FROM Foreign Institutions

Students seeking evaluation of foreign coursework must provide a transcript evaluated by an accredited evaluation and translation service (see an Academic Counselor in your Major). Students must turn in the official evaluation to the Office of Admissions and Records for inclusion in their record and then set up an appointment with an Academic Counselor in their Major so that their transfer work may be evaluated. Coursework from foreign institutions cannot be used for Cal-GETC

**Students may refer to the International Baccalaureate (IB) chart, for Cal-GETC credit details.*

Transfer of Credit FROM Cypress College to Another Institution

To request transcripts from Cypress College, please visit the Transcripts page: <https://www.cypresscollege.edu/admissions-records/records/>

Liberal Arts Degrees

- **Liberal Arts Degree: Arts and Humanities Emphasis**
- **Liberal Arts Degree: Human Communication Emphasis**
- **Liberal Arts AA Degree: Math and Science Emphasis**
- **Liberal Arts AA Degree: Social and Behavioral Sciences Emphasis**

Associate in Science and Arts Degrees for Transfer (ADT)

California Community Colleges are now offering associate degrees for transfer (ADT) 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 ADT 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.

The ADT degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students who have been awarded an ADT are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units (unless the major is designated "high-unit" major). To view the most current list of Cypress College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to www.CypressCollege.edu/services/transfer. 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.

Current and prospective community college students are encouraged to meet with a counselor to review their options and learn how to develop an educational plan that best meets their goals and needs as it relates to university admission and transfer requirements.

Requirements for the Associate Degree for Transfer (ADT)

- Residency Requirement- Complete 12 units at Cypress College,
- Completion of the California General Education Transfer Curriculum (Cal-GETC)
- Completion of at least 18 semester units or 27 quarter units in one AA-T or AS-T Major from those outlined following. (Note: Where appropriate, courses in the AA-T or AS-T Major may also be counted for a GE area.)
- A 2.0 (C) overall GPA and a 2.0 (C) in all courses taken in the AA-T or AS-T Major.
- Completion of a minimum of 60 units of CSU transferable course work.
- ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A P (Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better.

This degree includes only transfer-level course work; however, students who select an AA-T or AS-T and intend to earn a Bachelor's Degree should consult with a counselor to ensure optimal application of credit toward the Bachelor's Degree requirements. Completion of major preparation requirements as determined by the receiving UC or CSU campus are officially listed on the Assist website at www.assist.org.

NOTE: Specific course requirements for the AA-T and AS-T Majors are listed in applicable sections of the catalog. The approved curriculum may also be accessed on the Articulation page of the Transfer Center site at: www.CypressCollege.edu/services/transfer/adt.aspx.

- Film, Television and Electronic Media
- Geography
- Geology
- Global Studies
- History
- Hospitality Management
- Journalism
- Kinesiology
- Law, Public Policy and Society
- Mathematics
- Music
- Nutrition and Dietetics
- Philosophy
- Physics
- Political Science
- Psychology
- Public Health Science
- Social Justice Studies: African-American Studies
- Social Justice Studies: Asian American Studies
- Social Justice Studies: Chicana/o Studies
- Social Justice Studies: Native American Studies
- Sociology
- Spanish
- Studio Arts
- Theater Arts

AA-T or AS-T Majors Offered by Cypress College for 2025-2026

(Note: Additional ADTs are currently in development):

- Administration of Justice
- Anthropology
- Art History
- Biology
- Business Administration
- Chemistry
- Communication Studies
- Computer Science
- Economics
- Elementary Teacher Education
- English
- Environmental Science

The California General Education Transfer Curriculum (Cal-GETC)

The California General Education Transfer Curriculum (Cal-GETC) is the singular general education pathway for California Community College (CCC) students to fulfill lower-division general education requirements necessary for transfer and admission to both the California State University (CSU) and the University of California (UC). Completion of Cal-GETC is not an admission requirement or admission guarantee for transfer to the CSU or UC, nor is it the only way to fulfill the lower-division general education requirements for students at the CSU or UC. However, Cal-GETC may be a requirement for some programs (e.g., if an ADT is required). Students may choose to complete coursework to meet the CSU or UC campus-specific breadth requirements of the university program to which they plan to transfer.

All courses taken to meet Cal-GETC requirements must be completed with a grade of "C" or better. A grade of Credit or Pass may be used if the college's policy states it is equivalent to a grade of C or better (A "C" is defined as a minimum 2.0 grade points on a 4.0 scale.).

- No more than 14 semester units (21 quarter units) of Pass/No Pass (Credit/No Credit), excluding credit by examination, may be used toward Cal-GETC certification
- Although courses may be listed in multiple general education areas (1-6), a course can be given credit in only one GE subject area.
- Courses from foreign institutions cannot be used for Cal-GETC certification, however, international courses can be evaluated at the receiving CSU or UC and applied to their campus-specific breadth requirements.
- This advisement sheet can be modified or updated from time to time. All CSU/UC transferable courses can be verified at www.assist.org
- Consult with a counselor regarding which catalog year may be most beneficial and appropriate (i.e., if you are eligible to use previous CSU GE-Breadth or IGETC patterns).

Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation

IMPORTANT NOTE: Disclaimer: Every effort has been made to ensure the information below is accurate and timely. However, this information is unofficial and should be checked against the official information found on the ASSIST website @ www.assist.org Consult with a counselor regarding which catalog year may be most beneficial and appropriate (i.e., if you are eligible to use previous CSU GE-Breadth or IGETC patterns).

NOTE: Courses appearing in more than one category may be used to satisfy *only one category*. 34 units total.

AREA 1 – ENGLISH COMMUNICATION:

Code	Title	Units
(THREE courses – 9 semester or 12 quarter units)		
1A ENGLISH COMPOSITION		
<i>(ONE course – 3 semester or 4 quarter units)</i>		
ENGL C1000	Academic Reading and Writing (formerly: ENGL 100 C College Writing)	4
ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	4

ENGL C1000E	Academic Reading and Writing (Formerly: ENGL 101 C Enhanced College Writing)	5
ESL 110 C	College Composition for Non-Native Speakers	5

1B CRITICAL THINKING AND COMPOSITION

(ONE course – 3 semester or 4 quarter units)

ENGL C1001	Critical Thinking and Writing (formerly: ENGL 103 C Critical Reasoning and Writing)	4
ENGL C1001H	Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	4
ENGL 104 C	Critical Analysis and Literature	4
ENGL 104HC	Honors Critical Analysis and Literature	4
PHIL 172 C	Critical Thinking and Writing	3

1C ORAL COMMUNICATION

(ONE course – 3 semester or 4 quarter units)

COMM C1000	Introduction to Public Speaking (formerly: COMM 100 C Human Communication)	3
COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	3

AREA 2 – MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING:

Code	Title	Units
(ONE course – 3 semester or 4 quarter units)		
MATH 100 C	Liberal Arts Mathematics	3
MATH 115 C	Finite Mathematics	4
MATH 120PC	Introduction to Probability and Statistics	4
MATH 126 C	Introduction to Probability and Statistics with Technology	4
MATH 130 C	Business Calculus	4
MATH 141 C	College Algebra	4
MATH 141PC	College Algebra	4
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
MATH 150PC	Calculus I	4
MATH 250AC	Multivariable Calculus	4
MATH 250BC	Linear Algebra and Differential Equations	5
PSY 161 C	Probability and Statistics-Social Sciences	4
PSY 161HC	Honors Prob Stats-Soc Sci	4
SOC 161 C	Probability and Statistics-Social Sciences	4
SOC 161HC	Honors Probability and Statistics-Social Sciences	4
STAT C1000	Introduction to Statistics (formerly: MATH 120 C Introduction to Statistics)	4

AREA 3 – ARTS AND HUMANITIES:

Code	Title	Units
(TWO courses – 6 semester or 8 quarter units)		
3A ARTS		
<i>(one course – 3 semester or 4 quarter units)</i>		
ART 100 C	Fundamentals of Art for Non-Art Majors	3

ART 110 C	Introduction to Art	3	CHIN 204 C	Intermediate Chinese-Mandarin IV	4
ART 111 C	Survey of Art History I	3	ENGL 102 C	Introduction to Literature	3
ART 112 C	Survey of Art History II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	ENGL 102HC	Honors Introduction to Literature NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ART 112HC	Honors Survey of Art History II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	ENGL 110 C	Humanities - Ancient and Medieval	3
ART 114 C	Modern Art History	3	ENGL 111 C	Humanities - Renaissance - Present (same as INDS 101 C)	3
ART 116 C	Arts of Africa, Oceania, and Indigenous North America	3	ENGL 127 C	Introduction to Poetry Writing	3
ART 216 C	Latin American Art	3	ENGL 208 C	Asian American Literature	3
DANC 101 C	Multicultural Dance in the US	3	ENGL 211 C	English Literature to 1760	3
ENGL 125 C	The Film NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	ENGL 212 C	English Literature Since 1760	3
ENGL 125HC	Honors Film NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	ENGL 221 C	American Literature to 1865	3
MAD 110 C	Animation History Technology	3	ENGL 222 C	American Literature Since 1865	3
MAD 122 C	History of Graphic Design	3	ENGL 223 C	World Literature to 1650	3
MAD 131 C	Introduction to Media (formerly MM 105 C)	3	ENGL 224 C	World Literature Since 1650	3
MAD 191 C	Film Noir Genre	3	ENGL 234 C	Shakespeare NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
MAD 192 C	Great Directors of Cinema	3	ENGL 234HC	Honors Shakespeare NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
MAD 196 C	Silent Film Genre	3	ENGL 239 C	Survey - Children's Literature	3
MAD 197 C	Western Film Genre	3	ENGL 243 C	Mythology	3
MAD 198 C	Horror Film Genre	3	ENGL 248 C	Science Fiction	3
MUS 113 C	Jazz History	3	ENGL 249 C	Fantasy Fiction	3
MUS 114 C	History of Hip Hop - Rap	3	ENGL 250 C	Latino-a-x Literature	3
MUS 116 C	Music Appreciation	3	ENGL 255 C	African-American Literature I	3
MUS 117 C	American Popular Music	3	ENGL 256 C	African-American Literature II	3
MUS 118 C	Introduction to Opera NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	ENGL 260 C	Survey of Arabic Literature (in translation) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
MUS 118HC	Honors Introduction to Opera NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	ENGL 260HC	Honors Survey of Arabic Literature NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
MUS 119 C	History of Rock Music	3	ESL 108 C	Exploring Culture through Academic Discourse I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	5
MUS 120 C	Survey of Music History	3	ESL 109 C	Exploring Culture through Academic Discourse II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	5
MUS 127 C	Music in Film	3	ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHOT 204 C	History of Photography	3	ETHS 101HC	Honors American Ethnic Studies	3
THEA 100 C	Introduction to the Theatre	3	ETHS 129 C	Introduction to African-American Studies NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
THEA 102 C	World Theatre History	3	ETHS 130 C	African-American History I	3
THEA 105 C	Musical Theatre History	3	ETHS 131 C	African-American History II	3
THEA 107 C	Diversity in American Theatre NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	ETHS 150 C	Introduction to Chicana-o-x Studies	3
THEA 107HC	Honors Diversity in American Theatre NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	ETHS 151 C	Chicana-o-x History I	3
3B HUMANITIES			ETHS 152 C	Chicana-o-x History II	3
<i>(ONE course – 3 semester or 4 quarter units)</i>					
ANTH 105 C	Introduction to Linguistic Anthropology	3			
ANTH 107 C	Magic Witchcraft and Religion	3			
COMM 220 C	The Rhetoric of the City	3			

ETHS 159 C	Introduction to Native American Studies	3
ETHS 160 C	Native American History I	3
ETHS 161 C	Native American History II	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
ETHS 171 C	Asian Pacific American History	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3
FREN 203 C	Intermediate French III	4
FREN 204 C	Intermediate French IV	4
HIST 110 C	Western Civilizations I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 110HC	Honors Western Civilizations I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 111 C	Western Civilizations II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 111HC	Honors Western Civilizations II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 112 C	World Civilizations I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 112HC	Honors World Civilizations I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 113 C	World Civilizations II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 113HC	Honors World Civilizations II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 160 C	Asian Civilizations I	3
HIST 161 C	Asian Civilizations II	3
HIST 163 C	History of Mexico	3
HIST 165 C	History of the Middle East	3
HIST 170 C	History of the United States I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 170HC	Honors History of the United States I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 171 C	History of the United States II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 171HC	Honors History of the United States II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 270 C	Women in United States History	3
HIST 275 C	History of California	3
INDS 100 C	Humanities - Ancient and Medieval (same as ENGL 110 C)	3
INDS 101 C	Humanities: Renaissance-Present	3
JAPN 203 C	Intermediate Japanese III	4
JAPN 204 C	Intermediate Japanese IV	4

LING 101 C	Introduction to Language	3
PHIL 100 C	Introduction to Philosophy NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHIL 100HC	Honors Introduction to Philosophy NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHIL 101 C	Intro to Religious Studies NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHIL 101HC	Honors Introduction to Religious Studies NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHIL 105 C	World Religions	3
PHIL 110 C	Religions of the East	3
PHIL 120 C	Religions of the West	3
PHIL 135 C	Social and Political Philosophy	3
PHIL 160 C	Introduction to Ethics	3
PHIL 162 C	Contemporary Moral Issues	3
PHIL 201 C	History of Ancient Philosophy	3
PHIL 202 C	History of Modern Philosophy	3
PHIL 225 C	The American Religious Experience	3
PHIL 230 C	Philosophy of Religion	3
PHIL 240 C	Jesus and His Interpreters	3
SPAN 202 C	Spanish for Spanish Speakers II	5
SPAN 203 C	Intermediate Spanish III	4
SPAN 204 C	Intermediate Spanish IV	4

AREA 4 – SOCIAL AND BEHAVIORAL SCIENCES:

Code	Title	Units
(Select TWO courses from two academic disciplines – 6 semester or 8 quarter units)		
AJ 110 C	Introduction to Criminal Justice	3
AJ 120 C	Concepts of Criminal Law	3
AJ 160 C	Community and the Justice System	3
ANTH 102 C	Cultural Anthropology NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ANTH 102HC	Honors Cultural Anthropology NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ANTH 103 C	Introduction to Archaeology	3
ANTH 104 C	Comparative Cultures	3
ANTH 105 C	Introduction to Linguistic Anthropology	3
ANTH 106 C	Human Prehistory and Ancient Civilizations	3
ANTH 107 C	Magic Witchcraft and Religion	3
ANTH 121 C	Native North America	3
ANTH 208 C	Anthropology of Death	3
ANTH 212 C	Applied and Practicing Anthropology (formerly ANTH 211 C)	3
ANTH 225 C	Ancient Cultures of Mexico and Central America	3
COMM 105 C	Interpersonal Communication	3
COMM 120 C	Intercultural Communication	3

DSST 120 C	The History of Disability in the United States	3	HIST 111HC	Honors Western Civilizations II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
DSST 200 C	Introduction to Disability Studies	3	HIST 112 C	World Civilizations I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ECON 100 C	Principles of Economics-Macro NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	HIST 112HC	Honors World Civilizations I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ECON 100HC	Honors Princ of Econ-Macro NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	HIST 113 C	World Civilizations II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ECON 105 C	Principles of Economics-Micro	3	HIST 113HC	Honors World Civilizations II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ECON 105HC	Honors Princ of Econ - Micro	3	HIST 120 C	History of the Holocaust	3
ECON 110 C	Survey of Economics	3	HIST 124 C	U.S. Hispanic History to 1945	3
ECON 130 C	Consumer Economics	3	HIST 125 C	U.S. History: Conflict West	3
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	HIST 135 C	History of Africa	3
ETHS 101HC	Honors American Ethnic Studies NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	HIST 142 C	History of Latin America I	3
ETHS 129 C	Introduction to African-American Studies	3	HIST 143 C	History of Latin America II	3
ETHS 130 C	African-American History I	3	HIST 151 C	Survey of British History I	3
ETHS 131 C	African-American History II	3	HIST 152 C	Survey of British History II	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3	HIST 160 C	Asian Civilizations I	3
ETHS 151 C	Chicana-o-x History I	3	HIST 161 C	Asian Civilizations II	3
ETHS 152 C	Chicana-o-x History II	3	HIST 163 C	History of Mexico	3
ETHS 153 C	Chicana-o-x and Latina-o-x Contemporary Issues	3	HIST 165 C	History of the Middle East	3
ETHS 159 C	Introduction to Native American Studies	3	HIST 170 C	History of the United States I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ETHS 160 C	Native American History I	3	HIST 170HC	Honors History of the United States I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ETHS 161 C	Native American History II	3	HIST 171 C	History of the United States II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3	HIST 171HC	Honors History of the United States II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ETHS 171 C	Asian Pacific American History	3	HIST 190 C	History of the Americas I (formerly HIST 162AC)	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3	HIST 191 C	History of the Americas II (formerly HIST 162BC)	3
ETHS 235 C	American Racial Liberation Movements	3	HIST 270 C	Women in United States History	3
GEOG 100 C	World Geography NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	HIST 275 C	History of California	3
GEOG 100HC	Honors World Geography NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	INDS 200 C	Introduction to Global Citizenship Studies	3
GEOG 130 C	California Geography	3	INDS 201 C	Global Citizenship Issues	3
GEOG 160 C	Cultural Geography	3	JOUR 110 C	Global Media	3
GEOG 260 C	Economic Geography	3	KIN 248 C	Psychology of Sport NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
HIST 110 C	Western Civilizations I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3	KIN 249 C	Sport and United States Society (formerly PE 250 C)	3
HIST 110HC	Honors Western Civilizations I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3			
HIST 111 C	Western Civilizations II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3			

PHS 280 C	Introduction to Public Health (formerly KIN 280 C) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHS 281 C	Health and Social Justice (formerly KIN 281 C) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHS 283 C	Women's Health (formerly KIN 283 C) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHS 285 C	Global and Community Health (formerly KIN 285 C)	3
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
POLS C1000H	American Government and Politics-Honors (formerly: POSC 100HC Honors United States Government) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
POSC 120 C	Political Theory	3
POSC 200 C	Introduction to Political Science	3
POSC 209 C	Urban Politics	3
POSC 210 C	Contemporary Political Issues	3
POSC 215 C	Comparative Politics	3
POSC 216 C	Politics of the Middle East	3
POSC 230 C	International Relations	3
POSC 250 C	Gender and Politics	3
PSYC C1000	Introduction to Psychology (formerly: PSY 101 C Introduction to Psychology) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology) NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PSY 110 C	Applied Psychology	3
PSY 120 C	Human Sexuality	3
PSY 131 C	Cross-Cultural Psychology (formerly PSY 237 C)	3
PSY 139 C	Developmental Psychology	3
PSY 145 C	Child Psychology	3
PSY 202 C	Research Methods in Psychology	4
PSY 221 C	The Brain and Behavior	3
PSY 222 C	Abnormal Psychology	3

PSY 251 C	Social Psychology	3
PSY 255 C	Psychology of Aging	3
SOC 101 C	Introduction to Sociology NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
SOC 101HC	Honors Introduction to Sociology NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
SOC 102 C	Social Problems	3
SOC 125 C	Sociology Research Methods	3
SOC 225 C	Sociology of Women	3
SOC 250 C	Sociology of Aging	3
SOC 275 C	Marriage and Family	3
SOC 277 C	Sociology of Religion	3
SOC 280 C	Media, Culture, and Society	3
SOC 290 C	Sociology of Contemporary Race and Ethnic Relations	3
SOC 292 C	Introduction to Criminology	3

AREA 5 – PHYSICAL AND BIOLOGICAL SCIENCES:

Code Title Units
(TWO courses, one Physical Science and one Biological Science; at least one of the two courses must be associated with a corresponding laboratory. 7 semester or 9 quarter units)

5A PHYSICAL SCIENCE

(ONE course – 3 semester or 4 quarter units)

ASTR 116 C	Introduction to Astronomy NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
ASTR 116HC	Honors Introduction to Astronomy NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
BIOL 103 C	Environmental Science	3
CHEM 100 C	Chemistry for Daily Life NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
CHEM 101 C	Chemistry for Health Science Majors I NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4.5
CHEM 103 C	Chemistry and Society NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
CHEM 104 C	Physical Science for Teachers NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
CHEM 107 C	Preparation for General Chemistry NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	5
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	5
GEOG 102 C	Physical Geography	3
GEOG 140 C	Weather and Climate	3

GEOL 100 C	Physical Geology	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
GEOL 100HC	Honors Physical Geology	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
GEOL 103 C	Historical Geology		4
GEOL 104 C	Geology of National Parks		3
GEOL 105 C	Earth Science for Teachers		4
GEOL 120 C	Geology of California		3
GEOL 125 C	Natural Disasters		3
GEOL 130 C	Introduction to Oceanography		3
GEOL 190 C	Environmental Geology	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	3
PHSC 104 C	Physical Science for Teachers		4
PHYS 130 C	Elementary Physics	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 201 C	College Physics I	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 202 C	College Physics II	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 210 C	Physics for Life Sciences I	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 211 C	Physics for Life Sciences II	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 221 C	General Physics I	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 222 C	General Physics II	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 223 C	General Physics III	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4

5B BIOLOGICAL SCIENCE*(ONE course – 3 semester or 4 quarter units)*

ANTH 101 C	Biological Anthropology		3
ANTH 101HC	Honors Biological Anthropology		3
ANTH 210 C	Introduction to Forensic Anthropology		3
ANTH 212 C	Applied and Practicing Anthropology (formerly ANTH 211 C)		3
BIOL 101 C	General Biology	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
BIOL 101HC	Honors General Biology	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
BIOL 122 C	Marine Biology	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4

BIOL 135AC	Principles of Biology 1: Cell and Molecular Biology	5
BIOL 135BC	Principles of Biology 2: Organismal Biology	5
BIOL 210 C	Anatomy and Physiology	5
BIOL 220 C	Medical Microbiology	4
BIOL 231 C	General Human Anatomy	4
BIOL 241 C	General Human Physiology	4
BIOL 277 C	Genetics	3
BIOL 278 C	Molecular Biology	4
PHS 107 C	Nutrition and World Food Issue	3
PSY 221 C	The Brain and Behavior	3

5C LABORATORY*(1 semester or 1 quarter unit)*

ANTH 101LC	Biological Anthropology Lab	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	1
ASTR 117 C	Astronomy Lab	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	1
ASTR 117HC	Honors Astronomy Lab	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	1
BIOL 101 C	General Biology	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
BIOL 101HC	Honors General Biology	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
BIOL 122 C	Marine Biology		4
BIOL 135AC	Principles of Biology 1: Cell and Molecular Biology		5
BIOL 135BC	Principles of Biology 2: Organismal Biology		5
BIOL 210 C	Anatomy and Physiology		5
BIOL 220 C	Medical Microbiology		4
BIOL 231 C	General Human Anatomy		4
BIOL 241 C	General Human Physiology		4
CHEM 100 C	Chemistry for Daily Life	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
CHEM 101 C	Chemistry for Health Science Majors I	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4.5
CHEM 104 C	Physical Science for Teachers		4
CHEM 107 C	Preparation for General Chemistry	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	5
CHEM 111AC	General Chemistry I		5
CHEM 111BC	General Chemistry II	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	5
CHEM 201 C	Chemistry for Health Science Majors II	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4.5
GEOG 102LC	Physical Geography - Lab		1
GEOL 101 C	Physical Geology Laboratory		1
GEOL 103 C	Historical Geology		4

GEOL 115 C	Physical Geology Field Lab	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	1
GEOL 131 C	Introduction to Oceanography Lab		1
PHSC 104 C	Physical Science for Teachers		4
PHYS 130 C	Elementary Physics I	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 201 C	College Physics I	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 202 C	College Physics II	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 210 C	Physics for Life Sciences I	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 211 C	Physics for Life Sciences II	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 221 C	General Physics I	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 222 C	General Physics II	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4
PHYS 223 C	General Physics III	NOTE: Please see www.ASSIST.org UC Transferable Course list for specific UC Credit Limitation	4

AREA 6 – ETHNIC STUDIES:

Code	Title	Units
(ONE course – 3 semester or 4 quarter units)		
ETHS 101 C	American Ethnic Studies (formerly ETHS 100 C)	3
ETHS 101HC	Honors American Ethnic Studies	3
ETHS 129 C	Introduction to African-American Studies	3
ETHS 150 C	Introduction to Chicana-o-x Studies	3
ETHS 151 C	Chicana-o-x History I	3
ETHS 152 C	Chicana-o-x History II	3
ETHS 159 C	Introduction to Native American Studies	3
ETHS 161 C	Native American History II	3
ETHS 170 C	Introduction to Asian Pacific American Studies	3
ETHS 171 C	Asian Pacific American History	3
ETHS 202 C	Race, Ethnicity, and Popular Culture	3
ETHS 235 C	American Racial Liberation Movements	3

Registration

Registration windows, also known Registration Appointments, open for each student based on enrollment priorities and the date and time they submitted their online admission application. While students can register in or after their assigned registration window opens, registering at the specified date and time gives them a better selection of classes; however, enrollment in any class is not guaranteed

All new, returning, and continuing students receive a registration email that indicates when their registration window opens. The day their registration window opens is the earliest date and time they can register for classes. Students can also view their registration date and time by clicking on the "Registration Appointment" link in the left margin of myGateway.

Registration and admission deadlines are established to comply with state attendance laws and must be adhered to by both faculty and students. Failure to comply with these deadline may result in the student being unable to attend or receive credit for classes.

New Students: To be eligible for priority registration, students must meet the following requirements:

- complete the **assessment process** – Guided self-placement for math and English and/or ESL placement tests,
- complete an **orientation** session (online), and
- complete a **one semester education plan** by meeting with a counselor

Any student who does not complete all three activities will receive a registration date and time, but it will not be a priority registration date.

Returning Students: To be eligible for priority registration, students must meet the following requirements:

1. complete the **assessment process** – Guided self-placement for math and English and/or ESL placement tests,
2. complete an **orientation** session (online), and
3. complete a **one semester education plan** by meeting with a counselor

In addition, returning students must:

- be in good academic and/or progress standing
- not have been placed on academic dismissal and not on probationary status for three consecutive terms
- have completed 75% or more units with A, B, C, CR, and P and,
- not have earned more than 100 degree-applicable units (at Cypress and Fullerton), excluding basic skills courses.

Any student who does not meet the above requirements will receive a registration date and time, but it will not be a priority registration date.

Continuing Students: Are given priority registration based on the number of units completed and the following criteria:

- Must be in good academic and/or progress standing – not have been placed on academic dismissal and not on probationary status for two consecutive terms,
- Have completed 75% or more units with A, B, C, CR, and P,
- Have not earned more than 100 degree-applicable units (at Cypress and Fullerton), excluding basic skills courses.

Any student who does not meet the above requirements will receive a registration date and time, but it will not be a priority registration date.

Placement information for English, ESL, and Math: English and math assessments are no longer required. Instead, Cypress College uses Guided Placement.

The Guided Placement is a quick 5-10-minute questionnaire that helps transfer and degree seeking students select the best English, ESL, and/or math options. Cypress College uses "Multiple Measures", including your major, overall high school GPA, and some quick information about math courses you took in high school. For English, ESL, and/or math course options please visit our site at Guided Placement.

Students seeking certificates may not need English, Math, or other General Education courses, which you can check using Program Mapper.

If you have additional questions, you may make an appointment with a counselor through our Counseling Center.

Counseling/Orientation: Students are strongly advised to meet with a counselor before registering for classes. Counselors are well informed in various fields of study and can assist students in long-range planning for specific educational plans. New and returning students are required to attend an orientation to receive important information on offered programs, policies, and registration procedures. Orientation can be completed online via myGateway. Students can attend an in-person orientation by calling the Counseling Center to schedule an orientation time.

myGateway: myGateway: The web portal that enables students to see when their registration window opens, class schedules, grades, academic history, added or dropped classes, and provides access to a variety of useful resources. A student ID number and Personal Identification Number (PIN) are needed to log into myGateway which can be accessed from the college website.

**Website:
myGateway**

Honors Program

The Cypress College Honors Program is designed to encourage talent and ability in highly motivated students as they begin their academic studies and prepare to transfer to a four-year college or university. Students who complete the Honors Program and meet all major transfer requirements will have priority consideration for admission to specific four-year institutions.

Classes are taught by faculty interested in enriching the students' academic experience with special projects, readings and class activities. The Program provides a unique, seminar environment with close academic and social interaction with outstanding faculty and other highly motivated honors students. Guest speakers, cultural events and field trips enhance the challenging and creative learning experience.

The Transfer Alliances: Cypress College is a member of the Honors Transfer Council of California. This group has established transfer alliance agreements with four-year colleges and universities.

Code	Title	Units
Honors Courses		
ANTH 101HC	Honors Biological Anthropology	3
ANTH 102HC	Honors Cultural Anthropology	3
ART 112HC	Honors Survey of Art History II	3
ASTR 116HC	Honors Introduction to Astronomy	3
ASTR 117HC	Honors Astronomy Lab	1
BIOL 101HC	Honors General Biology	4
COMM C1000H	Introduction to Public Speaking - Honors (formerly: COMM 100HC Honors Human Communication)	3
COMM 220HC	Honors Rhetoric of the City	3
COUN 135HC	Honors Leadership	3
ECON 100HC	Honors Princ of Econ-Macro	3
ECON 105HC	Honors Princ of Econ - Micro	3
ENGL C1000H	Academic Reading and Writing - Honors (formerly: ENGL 100HC Honors College Writing)	4
ENGL 102HC	Honors Introduction to Literature	3
ENGL C1001H	Critical Thinking and Writing - Honors (formerly: ENGL 103 HC Honors Critical Reasoning and Writing)	4
ENGL 104HC	Honors Critical Analysis and Literature	4
ENGL 125HC	Honors Film	3
ENGL 234HC	Honors Shakespeare	3
ENGL 260HC	Honors Survey of Arabic Literature	3
ETHS 101HC	Honors American Ethnic Studies	3
GEOG 100HC	Honors World Geography	3
GEOL 100HC	Honors Physical Geology	3
HIST 110HC	Honors Western Civilizations I	3
HIST 111HC	Honors Western Civilizations II	3
HIST 112HC	Honors World Civilizations I	3
HIST 113HC	Honors World Civilizations II	3
HIST 170HC	Honors History of the United States I	3
HIST 171HC	Honors History of the United States II	3
MUS 118HC	Honors Introduction to Opera	3

PHIL 100HC	Honors Introduction to Philosophy	3
PHIL 101HC	Honors Introduction to Religious Studies	3
PHIL 170HC	Honors Logic and Crit Thinking	3
PHS 280HC	Honors Introduction to Public Health (formerly KIN 280HC)	3
PHS 281HC	Honors Health and Social Justice (formerly KIN 281HC)	3
POLS C1000	American Government and Politics (formerly: POSC 100 C United States Government)	3
PSYC 101HC	Introduction to Psychology - Honors (formerly: PSY 101 HC - Honors Introduction to Psychology)	3
PSY 161HC	Honors Prob Stats-Soc Sci	4
SOC 101HC	Honors Introduction to Sociology	3
SOC 161HC	Honors Probability and Statistics-Social Sciences	4
THEA 107HC	Honors Diversity in American Theatre	3

Requirements for Entrance:

- Minimum 3.25 GPA in high school course work or a minimum of 3.0 GPA in 6 units of college course work, verified by transcripts.
- Completion of the Honors Transfer Program application.

To Complete the Program:

- Complete five (5) Honors designated classes for a minimum fifteen (15) units
- Complete COUN 135HC Honors Leadership
- Complete the requirements necessary to be accepted by the transfer school in your major
- Complete two extracurricular activities and a Service Learning component each semester

Benefits of Completion of the Program:

- Priority consideration for admission at the junior level to selected four-year colleges and universities.
- Special recognition at Commencement.
- Honors notation on transcripts.

Applying to the Program: Submit an application to the Honors Program Office. Applications are available in the Transfer Center or online at www.CypressCollege.edu/academics/specialprograms/honors-program. Submit transcripts and Advanced Placement (AP) and/or International Baccalaureate (IB) scores

For more information please contact:

Honors Program Counselor

Penny Gabourie

pgabourie@CypressCollege.edu

Honors Program Director

Dr. Kathryn Sonne

ksonne@CypressCollege.edu

Honors Program Office is located in the Transfer
Center Located on the 2nd floor of the Student Center

(714) 484-7129

www.CypressCollege.edu

Service Learning

Service Learning is a teaching method that promotes student learning through active participation in meaningful and planned service experience in the community that is directly related to the course content. This method is primarily used in the Honors Program. Through reflective activities, students enhance their understanding of course content, general knowledge, sense of civic responsibility, self-awareness and commitment to the community.

- Incorporate community service into your general education courses
- Apply course skills in a realistic environment
- Explore career options in a course setting
- Increase civic awareness of the community
- Experience a hands-on teaching method
- Strengthen the ethic of service
- Transfer service learning hours to a four year institution

Contact:

Service Learning Director/Honors Programs Director

Dr. Kathryn Sonne

ksonne@CypressCollege.edu

Service Learning Office is located in the
Transfer Center (ksonne@CypressCollege.edu)
Located on the 2nd floor of the Student Center

(714) 484-7452 (ksonne@CypressCollege.edu)

www.CypressCollege.edu

Special Admit Program

The Special Admit Program is intended for K-12 students who wish to enroll part time in **advanced scholastic or vocational** classes while concurrently enrolled at another school.

To be eligible for the Special Admit Program during the Summer session, Fall or Spring semesters, students must complete the Special Admit Form obtaining required recommendations and signature from the principal with parental or guardian permission and approval from a Cypress College counselor. In certain circumstances the signature of a division dean and the college president is required.

Special Admit students are required to meet all college admission requirements, attend assessment/orientation and meet course prerequisites. Special approval is required for full-time enrollment, persons

under age eighteen who are/are not enrolled in school, and home school students. Enrollment into specific courses where content is deemed not appropriate for minors by the department may also require special approval. Students on F-1 or F-2 visas are eligible to enroll as Special Admit students and must pay non-resident tuition and fees.

Enrollment fees are waived for California resident Special Admit students in grades 9–12 who are enrolled in .5–11 units. Per Education Code 76300 Special Admit students registered in more than eleven units per semester are required to pay enrollment fees for all enrolled units. Special Admit students who are in grades K–8 are required to pay the enrollment fees for all enrolled units. Students who do not pay the required fees may be dropped from courses for non-payment. All Special Admit students are responsible for all other college fees including lab, health, parking, books, materials and other required fees.

To change enrollment status at the college, Special Admit students graduating from high school prior to the next college semester must bring to the Admissions and Records Office their diploma or high school transcript indicating their graduation date.

Courses taken by a Special Admit student are recorded on the student's permanent record as college credit in the same manner as regularly enrolled college students. Credit may be given at the high school and may meet a graduation requirement; however, students should first consult with the high school counselor. Special Admit students must adhere to all college policies on admission, registration, course requirements, attendance, Student Code of Conduct, and all other applicable policies and procedures.

Students wishing to enroll under the Special Admit Program can access the Special Admit Application Form from the college website. The Special Admit Application Form is valid for the current semester only. A new Special Admit Application must be submitted for enrollment in subsequent semesters. Students must also file the online College Application for Admission by accessing the college website and applying on CCCApply.

All student records are protected under the Family Educational Rights and Privacy Act (FERPA) of 1974. *No one (including parents and high school officials) can access confidential information without the student's written consent.*

Speech and Debate Program

Division: Language Arts

The Speech and Debate Program gives students opportunities to develop speeches, performances, or train for debates at tournaments locally, statewide, nation-wide. Travel accommodations and tournament fees are paid by Cypress College. This award-winning program is available to novices or experienced students. Students earn transfer credit by enrolling in either COMM 138 C or COMM 238 C classes that are held from 2:40-5:50pm on Tuesday afternoons. Students can also earn variable unit credit through COMM 298 C. For more information, please contact Professor Joshua House (jhouse@cypresscollege.edu) (jhouse@cypresscollege.edu) or Professor Jennifer Page (jpage@cypresscollege.edu), or by visiting them in their office in the Humanities Building, Room 204. This is a great experience for students, developing skills that will help them both academically and

later in their careers, even though they may not be Communication Studies majors.

Study Abroad Program

The Study Abroad Program provides students the opportunity to enrich their educational experience by studying abroad for one semester or for a shorter period of time while earning college units. The program is designed not only to enrich courses' content by their location in the country where they are offered but also to provide students with a cultural experience by living in a society and environment different from that of the United States.

Classes offered will be taught by Cypress or Fullerton College instructors, ensuring complete transferability to other United States colleges. There is an application process for interested students, with prerequisites, interviews, and the final selection. Interested students may contact the Language Arts Division. For further information, contact Eldon Young at (714) 484-7177.

Teacher Preparation Program

The Teacher Preparation Program at Cypress College is a comprehensive student services program that provides academic support, specialized counseling, and outreach to students who are interested in pursuing a career in teaching. The primary purpose of the program is to provide Cypress College students with a clearinghouse of information and resources to help them become teachers. The program also provides early fieldwork experience in an educational setting. The program offers special classes called Teacher Preparation Classes. These classes are designated with an apple in the Class Schedule. These classes are designed to enhance the future teachers' understanding by providing a variety of different experiences in the classroom related to the field of Education.

Information

For specific advisement at Cypress College, contact the Teacher Preparation Counselor:

Velia Lawson
(714) 484-7015
Student Center, 2nd floor, Counseling

For all other inquiries, contact:

Nina DeMarkey, Dean
Social Sciences Division
Humanities Room 238
(714) 484-7185

The Cypress Teacher Preparation website is: <http://CypressCollege.edu/academics/specialprograms/TeacherPrep>.

NOTE: Students with a criminal record are strongly recommended to contact the Teacher Preparation office at (714) 484-7185 to find out their eligibility in the program.

NOTE: Students interested in Teaching should use the program code to indicate their area of interest for the Liberal Arts degree.

California Basic Educational Skills Test (CBEST): The CBEST verifies proficiency in reading, mathematics, and writing. Passing the CBEST is a requirement for obtaining a teaching credential issued by the

California Commission of Teacher Credentialing and is required prior to student teaching. It is strongly recommended that students seeking a teaching credential take the CBEST after completing category A and B4 in the CSU/GE Requirement or Area 1 and Area 2 in the IGETC/GE Requirements. CBEST review classes are offered periodically throughout the year. Check the Class Schedule for specific dates. Students should pass the CBEST before leaving Cypress College. For more information about the CBEST exam, log on to www.cbest.nesinc.com.

California Subject Examinations for Teachers (CSET): All applicants for an elementary teaching credential must prove they are knowledgeable and competent in the subject area(s) they will be licensed to teach. For the middle or high school teacher, subject matter competence focuses on a particular subject such as English or Math. The secondary teaching credential does not require the CSET as long as the student is in an "approved program" and majors in the same subject of their credential. For the elementary teacher, subject matter competence must be demonstrated for all subjects relevant to the elementary classroom through the CSET exam. The exam is divided into subtests (most exams have three subtests) and the examinee has five hours to complete it. Passing the CSET is required for those students who pursue the multiple subject credential. For further information, visit the CSET website at: www.cset.nesinc.com.

CSULB (ITEP) Elementary Program and CSUF (STEP) Elementary Program: The Teacher Preparation Program curriculum fulfills all the lower division requirements for the CSULB (ITEP) and CSUF (STEP) Integrated Teacher Education Programs. Upon completion of the integrated program, a student will meet requirements for both a B.A. in Liberal Studies and preliminary multiple subject teaching credential for teaching grades K through 8th, without having to enroll in a year-long credential program. Applications and further information are available in the Teacher Preparation Program Office in the Division of Social Sciences, Humanities, Room 238.

Education Specialist Credential (Special Education): The person holding this credential may work with elementary, middle school, or high school students. An Education Specialist Credential offers the following specializations: Mild to Moderate Disabilities, Moderate to Severe Disabilities, Visual Impairments, Deaf and Hard-of-Hearing, Physical and Health Impairments, and Early Childhood Special Education. A student will need to earn a Bachelor's degree, pass the California Basic Education Skills Test (CBEST), complete a teaching credentialing program, pass a U.S. Constitution class, pass the California Subject Examination (CSET), pass the Reading Instruction Competency Assessment (RICA), and obtain a Character and Identification Clearance.

Multiple Subject Teaching Credential: A Multiple Subject Teaching Credential authorizes the holder to teach in a "self-contained" classroom, meaning that one teacher teaches all subjects to the same students. A student will earn a Bachelor's degree, preferably in Liberal Studies or Child Development (but not exclusively), pass the California Basic Education Skills Test (CBEST), complete a multiple subject teacher credential program, pass a U.S. Constitution class, pass the California Subject Examination (CSET), pass the Reading Instruction Competency

Assessment (RICA), and obtain a Character and Identification Clearance. All of the California State Universities now have a statewide agreement that they will all use the same 45 units of common core for all Integrated Teacher Preparation Programs in the State of California.

Single Subject Teaching Credential: A Single Subject Teaching Credential authorizes the holder to teach a particular subject at the middle school or high school level. Examples of specific Single Subjects are: Art, English, Health Science, Home Economics, Industrial and Technology Education, Language (other than English), Math, Music, Physical Education, Biological Sciences, Chemistry, Geosciences, Physics, and Social Science. A student will need to earn a Bachelor's degree (preferably in the subject taught), pass the California Basic Education Skills Test (CBEST), complete a teaching credential program, pass a U.S. Constitution class, pass the Reading Instruction Competency Assessment (RICA), and obtain a Character and Identification Clearance.

Teaching Credential Preparation: There are several types of credentials offered by the state of California that students can receive. Students interested in teaching at the elementary school level will be obtaining a Multiple Subject Teaching Credential. The students interested in teaching at the middle school or high school level will earn a Single Subject Teaching Credential. Most California Teaching Credentials take five years to complete on a full-time basis. The required lower division courses may be completed at Cypress College. For more information, log on to the California Commission on Teaching Credentialing website at: www.ctc.ca.gov.

Education Specialist Credential (Special Education): The person holding this credential may work with elementary, middle school, or high school students. An Education Specialist Credential offers the following specializations: Mild to Moderate Disabilities, Moderate to Severe Disabilities, Visual Impairments, Deaf and Hard-of-Hearing, Physical and Health Impairments, and Early Childhood Special Education. A student will need to earn a Bachelor's degree, pass the California Basic Education Skills Test (CBEST), complete a teaching credentialing program, pass a U.S. Constitution class, pass the California Subject Examination (CSET), pass the Reading Instruction Competency Assessment (RICA), and obtain a Character and Identification Clearance.

Student Support Services

At Cypress College, we understand that success in higher education goes beyond academic achievement. That's why we are committed to providing comprehensive Student Support Services to empower our students and ensure their well-being throughout their educational journey. Our Student Support Services are designed to address the diverse needs of our student body, recognizing that every individual's path to success is unique. Whether you're a first-generation college student, a returning adult learner, or seeking support for personal challenges, we are here to assist you every step of the way. Our dedicated team of professionals is ready to help you navigate any obstacles you may encounter, providing guidance, resources, and a supportive environment to foster your personal and academic growth. At Cypress College, we believe that supporting our students holistically leads to their success inside and outside the classroom. Our Student Support Services are here to empower you, foster your personal growth, and help you achieve your academic goals. Discover the resources and assistance available to you, and embark on a transformative journey towards a bright future with Cypress College

A

- Admissions and Records
- Articulation Unit
- Assessment Center

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- Basic Needs Support
- Bookstore
- Bursar

C

- CalWORKS
- Campus Safety
- Career Planning and Workforce Development Center
- Charger Experience Program (Pledge)
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M

- Mathematics, Engineering and Science Achievement Program (MESA)

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O

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R

- Reconnect With Cypress College

S

- Scholarships and Emergency Financial Assistance
- Science, Technology, Engineering, Mathematics Program (STEM)
- Student Equity and Achievement Program
- Student Life and Leadership

T

- Transfer Center

V

- Veterans Resource Center (VRC)

W

- Welcome Center

Admissions and Records

The Admissions and Records Office is the first stop for all students beginning their educational journey at Cypress College. We assist with the application process, registration, transcripts, residency, enrollment verifications, and graduation petitions. Our goal is to help students navigate important steps from admission through completion, ensuring access to accurate records and support along the way.

Students are encouraged to reach out with any questions about enrolling, adding or dropping classes, deadlines, or any other registration-related

concerns. We are here to make your college experience smooth and successful.

Services include:

- Applications for admission and enrollment support
- Registration support and class schedule management
- Official transcripts and enrollment verifications
- Residency determination and updates
- Applications for degrees and certificates
- Petitions for Academic Dismissal (Readmission)
- Petitions for Exception
- Academic Renewal

Location: Cypress College Student Center, 1st Floor Phone: (714) 484-7346
Email: admissions@cypresscollege.edu

Website: www.cypresscollege.edu/admissions-records/

Articulation Unit

Articulation agreements are formal agreements between two campuses. They define how courses taken at one college or university campus can be used to satisfy a subject matter requirement at another college or university campus. Cypress College has Articulation agreements with UC and CSU campuses, as well as with independent colleges and universities.

ASSIST

ASSIST is an online student-transfer information system that shows how course credits earned at one public California college or university can be applied when transferred to another. ASSIST is the official repository of articulation for California's public colleges and universities and provides the most accurate and up-to-date information about student transfer in California. For more information visit www.assist.org

California Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. 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 for specific information of course designations and 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.

Assessment Center

The Assessment Center provides a variety of services to determine skill levels in grammar, reading, and mathematics. The assessment process is one of the core requirements for early registration. The purpose is to place students in courses which match the students' skills, needs, and goals with college courses, programs and services.

Testing available on a walk-in basis. The Assessment Center is located on the second floor of the Student Center. For information call (714) 484-7223.

Walk-In Testing Times - Fall and Spring Subject to change

Tuesdays, Wednesdays and Thursdays	8:00 a.m. - 5:00 p.m.
	(last full test must start by 3:30 p.m.)

Basic Needs Support

Basic Needs Center

Cypress College is committed to supporting the whole student. The Basic Needs Center connects students with essential resources to help them meet their daily living needs so they can focus on their academic success.

Whether you're facing food insecurity, housing challenges, or need help finding financial or community resources, our team is here to assist you with care and respect.

Services include:

- Food pantry
- Housing navigation
- Diaper pantry
- Laundry assistance
- Hygiene and household care assistance
- Help applying for CalFresh and other public benefits
- Connection to campus and community services for additional support

Location: Student Life and Leadership Building

Phone: (714) 484-7309

Email: basicneeds@cypresscollege.edu

Website: www.cypresscollege.edu/student-life/student-activities/food-bank/

Bookstore

Starting Fall 2023, students are automatically enrolled in the Charger Book Pass program <https://www.cypresscollege.edu/charger-book-pass/> with your class registration. You will be charged \$100 (total) with your tuition for all the required course materials for your courses. With the program most course materials will be digital and accessed through Canvas.

The bookstore also offers supplementary educational books and supplies. We also have imprinted Cypress College logo clothing, gifts, greeting cards, and general merchandise.

You can order items from the bookstore online with free in-store pick-up at: <https://www.cypresscollege.edu/bookstore/>

Normal Hours of Operation

Monday - Thursday	9:00 a.m. - 4:00 p.m.
Fridays	9:00 a.m. - 12:00 p.m.

Hours for the Summer session and holidays will be posted outside the bookstore as necessary and online at www.CypressCollegeshop.com. For additional information call (714) 484-7336.

Book Buyback

Students may sell their textbooks and certain workbooks back to the bookstore any day.

Normal Buyback Hours

Monday - Thursday	9:00 a.m. - 4:00 p.m.
Friday	9:00 a.m. - 12:00 p.m.

Bursar

Bursar's Office

The Bursar's Office manages all student financial transactions at Cypress College. We're here to help you understand your tuition and fees, make payments, receive refunds, and stay informed about deadlines and payment options.

Our goal is to make the payment process as simple and clear as possible. If you have questions about your student account, our team is ready to assist.

Stay on track! Be sure to review important deadlines to avoid late fees or holds on your account.

Services include:

- Processing tuition and fee payments
- Issuing student refunds
- Assisting with payment plans

- Providing account statements and payment receipts

- Managing outstanding balances and holds

Location: Cypress College Student Center, 1st Floor

Phone: (714) 484-7317

Email: bursar@cypresscollege.edu

Website: www.cypresscollege.edu/bursars-office/

Campus Safety

The Cypress College Department of Campus Safety is committed to providing a safe campus environment for its students, faculty, and visitors. Campus Safety provides security and safety services to the campus. The department is responsible for crime prevention and personal safety. While this is our primary responsibility, personal safety and crime prevention does rest with each individual. Therefore, each of us must take personal responsibility for our own safety, as well as for the safety of those around us.

Cypress College is among the safest colleges in the country. We strive towards this goal by providing proactive patrol procedures, interaction with the community, and high visibility. We have also established a partnership with the Cypress Police Department. This combination has been successful in solving many of the problems and issues that have been presented to Cypress College members.

Campus Safety provides coverage to the campus 24 hours a day. Campus Safety is located in the Business Building, first floor adjacent to parking Lot 1. Any criminal action or emergency should be reported to Campus Safety at (714) 484-7387.

Cypress College complies with the Standardized Emergency Management System (SEMS) and the National Incident Management System (NIMS) by conducting emergency exercises each semester.

Campus Safety provides escort service upon request at (714) 484-7387. Lost and found items are housed in the Campus Safety Office. Contact Campus Safety to receive information regarding items.

Normal Hours of Operation

Monday - Thursday	7:30 a.m. - 6:30 p.m.
Friday	7:30 a.m. - 4 p.m.

Cooperative Agencies Resources for Education (CARE)

Cooperative Agencies Resources for Education (CARE)

The CARE program at Cypress College provides enhanced support services for eligible CalWORKs students who are single parents receiving public assistance to support their success. CARE helps students overcome barriers by offering specialized resources and encouragement designed to promote academic success.

Our dedicated staff works closely with students to provide personalized counseling and practical assistance so they can thrive both in school and at home.

Services include:

- Individualized academic counseling
- Childcare support coordination
- Assistance with transportation and school supplies
- Foodsupport (grocery cards)
- Workshops and seminars
- Connection to campus and community resources
- Transportation assistance (fuel cards)

Location: Cypress College Student Center, 2nd Floor, Room 201

Phone: (714) 484-7368

Email: eops@cypresscollege.edu

Website: www.cypresscollege.edu/academics/divisions-special-programs/services/eops-care-calworks-guardian-scholars/care/

Parking

Use of Cypress College's general parking lots requires a parking fee. Students and guests may purchase Parking Permits online or at kiosks in and around campus. Students who purchase semester-length permits may change or add vehicle license plate numbers online at any time using the parking link in myGateway. Day-use vehicle registration is available scanning the QR code located on signs in and around campus.

Parking Payment

Payment for semester permits and registration of plates authorizes students to use any of the five lots open to student and guest parking, as well as designated spots on Circle Drive. Cypress College semester-length parking permits are also honored at Fullerton College and the Anaheim Campus. Cypress College students parking at Fullerton College cannot park in the structure located at Lemon Street and Chapman Avenue. Students and guests may also register vehicles using the QR code located on signs in and around campus. Short-term permits are valid at Cypress College only. Students and guests are not eligible to park in staff spaces. Parking permit does not guarantee a parking space.

See Campus Safety Traffic & Parking Regulations for further questions on our website at: Campus Safety

Disabled Parking

Use of state-designated disabled parking spaces requires proper display of either a valid disabled placard or designated license plates. Disabled parking spaces are prominently marked in blue and white. Vehicles parked in disabled parking spaces must also comply with the requirements noted above, including purchase of a virtual permit and completion of the vehicle license plate registration. Designated disabled parking spaces are available in all campus lots. Individuals who park vehicles in the disabled stalls without proper credentials will be subject to citation.

Electric Vehicles

Cypress College offers EV charging stations (located in Lot 4). Vehicles parked in EV spaces must also comply with the requirements noted above,

including purchase of a virtual permit and completion of the vehicle license plate registration. These spaces are limited to a maximum of four hours and idle rates do apply.

Parking Violation

Any vehicle found parked on Cypress College property that has (3) or more unpaid Cypress College parking citations may be towed without notice. Registered owners of the vehicle will be responsible for paying all citations, towing fees, and impound fees prior to the vehicle being released by the impound company.

Parking Enforcement and Appeals

All campus parking regulations are enforced by the Cypress College Campus Safety Department. All traffic regulations are enforced by the Cypress Police Department. Parking regulations are strictly enforced. A two-week grace period is provided at the beginning of the Fall and Spring semesters in order for students to obtain permits. Failure to register your vehicle license plate may result in a parking citation issued by Campus Safety.

Payment of fines or filing of an appeal must take place within 21 days from the date of the citation or the fine will be doubled. Cypress College Parking Regulations are available on myGateway, the Campus Safety webpage, and in the Campus Safety Office on the first floor of the Business Building.

Career Planning and Workforce Development Center

The Career Planning and Workforce Development Center at Cypress College is here to help you build a clear pathway from college to career. We provide tools and support to help you choose a major, plan your career goals, and connect with job and internship opportunities that align with your skills and interests.

Whether you're exploring your options, preparing for the workforce, or looking to upskill for a career change, our team is ready to help you succeed.

Services include:

- Career assessments and exploration tools
- Individual career counseling and planning
- Resume, cover letter, and LinkedIn assistance
- Interview coaching and job search strategies
- Internship and job placement resources
- Career fairs, networking events, and employer connections

Location: Cypress College Complex Building, 2nd Floor, Room 215

Phone: (714) 484-7120

Email: careercenter@cypresscollege.edu

Website: <https://www.cypresscollege.edu/academics/divisions-special-programs/services/career-planning-center/>

Charger Experience Program (Pledge)

The mission of the Charger Experience Program is to provide all incoming students with the foundation for success through direct engagement with academic programs and comprehensive understanding of support services. As a part of the Charger Experience Program, students benefit from wrap around services to support the timely completion of certificates, associate degrees, baccalaureate degrees, or transfer to 4-year institutions.

Eligibility for the Charger Experience Program:

- Meet California residency or AB 540 requirements.
- Complete the FAFSA or California Dream Act application and verification process every year.
- Register for a minimum of 12 units every semester.
- Enroll and complete math, English/ESL, and counseling.
- Be a first-time college student.

Benefits include:

- Two years of free tuition and student health fees
- Priority registration
- Academic, career, and transfer counseling, including a student education plan
- Participation in activities, support services, and events designed to assist students in achieving their personal and academic goals
- Personalized support from Charger Experience counselors

For more information contact the Charger Experience Program at chargerexperience@cypresscollege.edu or call 714-484-7461.

NOTE: Student Ambassadors provide firsthand experience for prospective students on what to expect at Cypress College by helping students manage the transition to college. Student Ambassadors also assist students navigate the higher education system and answer general student questions.

Counseling and Student Development

The College maintains a complete guidance service, including the orientation of new students to a successful college experience, counseling to meet the educational requirements for various careers, assistance in selection of courses of study, and individual guidance in matters of aptitude and personal adjustment as they are related to the student's vocational and educational objectives.

Each student is assigned a counselor based on a major or area of interest. The counselor assists the student in planning a program of courses and is available to help in other matters affecting the student's progress in college. Regular conferences may be scheduled during each semester to ensure that the student may gain the greatest possible benefit from the counseling service. Counselors can also be reached by email during

the semester at onlinecounselor@CypressCollege.edu or through their individual email address listed in the Programs and Course Descriptions section of this catalog under Counseling and Student Development.

Special courses are offered to assist students in gaining the maximum benefit from their college experience. For example, all students enrolled in more than two classes must enroll in COUN 140 C during their first semester of attendance. This course is designed to further help orient students to college life and assist students in their educational and vocational planning. In addition, there are opportunities for students to take mini-guidance courses in *Career and Life Planning*, *Academic and Life Success*, *Career Exploration*, *College/University Transition*, and *Academic Success and College Survival*.

DIVISION DEAN, COUNSELING AND STUDENT DEVELOPMENT <Vacant>

Director, Transfer Center and Counselor, Honors Program	<Vacant>
Coordinator II, Career Center	Angela Sardan
Department Coordinators, Counseling	Robert Grantham and Jacquelyn Rangel
Counselor, Articulation	Jacquelyn Rangel
Counselor, Athletics/Kinesiology	Contact Express Counseling (714) 484-7015
Counselor, Business and Computer Information Systems	Robert Grantham
Counselors, Career Technical Education	Jeannie Mitsch/Cassie Rodriguez
Counselors, Career Planning/Adult Re-Entry Program	Anne-Marie Beck/Sarah Coburn
Counselors, Fine Arts	Renay Laguana-Ferinac
Counselors, Health Science	Kelly Carter/Marisa Lehmeier/Denise Vo
Counselor, Language Arts, Social Sciences and Teacher Preparation Program	Mymy Lam
Counselor, Language Arts, Social Sciences and Puente Program	Rosemary Rangel
Counselor, Language Arts and Social Sciences	Daniel Pelletier
Counselor, Kinesiology/Science/Engineering/Mathematics	LaRon Armstead
Counselor, Science/Engineering/Mathematics	Ernesto Heredia
Counselor, Transfer Center	Yolanda Duenas

COUN 140 C

First-time students who are taking more than two classes or who plan to earn the Associate Degree, obtain a certificate, or transfer to a four-year college must include COUN 140 C Educational Planning in their schedule. This 18-hour course is taught by a counselor and the class is usually comprised of students with similar majors and/or interests. It is designed to assist the first-time college student with adjustments to college and meeting the educational demands of the college. A large component of the curriculum deals with planning the student's program for the following semesters, depending upon whether the ultimate goal is to complete an

Associate degree, a vocational certificate, or whether it is to transfer to a four-year college.

Cypress Reconnect

Cypress Reconnect offers career planning services through the Career Planning and Workforce Development Center for adults who are looking to change careers or are returning to college. We provide individual career counseling, career classes, and resources to assist you as you transition back to school and move toward reaching your career goals.

Eligibility

Adults who are returning to college after at least 1 year and include one of the following:

- Students over the age 25
- Students who have spent 5+ years in a career field and are now changing careers

Location: Cypress College Complex Building, 2nd Floor, Room 215

Phone: (714) 484-7120

Email: careercenter@cypresscollege.edu

Website: <https://www.cypresscollege.edu/academics/divisions-special-programs/services/career-planning-center/>

Disability Support Services (DSS)

Disability Support Services (DSS)

Disability Support Services (DSS) at Cypress College provides equal access to education for students with disabilities. Our caring team works with students to identify reasonable accommodations, connect them with campus resources, and support their success in the classroom and beyond.

We encourage students to reach out to DSS as early as possible to ensure that accommodations and services are in place to help them reach their goals.

Services include:

- Academic accommodations (such as extended testing time, note-taking support, or alternate media)
- Assistive technology and training
- Disability-related counseling and support
- Liaison and advocacy with faculty and staff
- Workshops and skill-building resources to promote student success

Location: Cypress College Student Center, 1st Floor

Phone: (714) 484-7104 or video phone (657) 777-4208

Email: dss@cypresscollege.edu

Website: <https://www.cypresscollege.edu/academics/divisions-special-programs/services/disability-support-services-dss/>

Dual Enrollment Program

Cypress College's Dual Enrollment Program gives high school students the opportunity to get a head start on their college education for free! Through partnerships with local high schools, students can take college-level courses while earning both high school and college credit at the same time.

Dual Enrollment helps students explore career pathways, gain college experience, and save time and money on their future degrees.

Benefits include:

- Earn college credits while still in high school
- Save money on tuition and textbooks
- Experience college-level coursework in a supportive environment
- Explore majors and career interests early
- Build confidence and a strong foundation for college success

Location: Business Building, 1st Floor, Room 102

Phone: (714) 484-7213

Email: dualenrollment@cypresscollege.edu

Website: www.cypresscollege.edu/dual-enrollment/

Extended Opportunity Programs and Services (EOPS)

The Extended Opportunity Programs and Services (EOPS) at Cypress College is designed to assist students with economic, linguistic, and educational challenges enroll and succeed in higher education. EOPS provides personalized counseling and a caring community to help eligible students succeed in college and reach their goals.

Our team is dedicated to helping students thrive, from enrollment through graduation and transfer.

Services include:

- Dedicated EOPS counselors for academic, career, and personal guidance
- Priority registration for classes
- Book service to help pay for textbooks
- Academic progress support and workshops
- Computer lab with free printing
- Enhanced tutoring
- Community-building activities and events

Location: Cypress College Student Center, 2nd Floor, Room 201
Phone: (714) 484-7368
Email: eops@cypresscollege.edu
Website: www.cypresscollege.edu/academics/divisions-special-programs/services/eops-care-calworks-guardian-scholars/eops/

CalWORKS

CalWORKs

The California Work Opportunity and Responsibility to Kids (CalWORKS) Program at Cypress College provides specialized support to students receiving Temporary Aid to Needy Families (TANF) while they pursue their educational and career goals. We help eligible students balance school, work, and family responsibilities by offering personalized services that promote self-sufficiency and academic success.

Our caring team is here to guide you through every step, from enrollment to completion, so you can reach your goals and build a brighter future for your family.

Services include:

- Paid work study opportunities
- Childcare
- Academic counseling
- Ancillary funds for books and supplies
- Advocacy and liaison services with county agencies
- Workshops and student success activities

Location: Cypress College Student Center, 2nd Floor
Phone: (714) 484-7237
Email: calworks@cypresscollege.edu
Website: www.cypresscollege.edu/academics/divisions-special-programs/services/eops-care-calworks-guardian-scholars/calworks/

Financial Aid

Financial Aid

The Financial Aid Office at Cypress College is committed to helping students find the funding they need to pursue their education. We provide guidance and assistance with applying for grants, scholarships, loans, and work-study programs to make college more affordable.

Our knowledgeable staff is here to support you through the financial aid process and help you understand your options so you can focus on your academic success.

Services include:

- Assistance with FAFSA and California Dream Act applications
- Grant and scholarship information and application support

- Work-study job placement and program management
- Student loan counseling and management
- Budgeting and financial wellness resources
- Verification and eligibility review
- Support, resources, and outreach for students, parents, and the community

Location: Cypress College Complex Building, 1st Floor, Room 120
Phone: (714) 484-7114
Email: financialaid@cypresscollege.edu
Website: www.cypresscollege.edu/financial-aid/

Classification of Students

Social Security Benefits — twelve units per semester.

Work-Study — twelve units per semester required

Full-Time	Twelve units per semester
3/4 time	Nine units per semester
1/2 time	Six units per semester

Food Services – Charger Café

The Charger Café is centrally located at the Student Center. A variety of food is offered such as Asian, American, Mexican, Italian, and daily specials. Seating is available both indoors and outdoors.

Student Food Security and Support Program

This year, the College is offering a \$12/day voucher through all current students' ID cards for use in the Charger Café. More details will be shared with current students.

Charger Daily Drip

Conveniently located next to the Campus Bookstore, the Charger Daily Drip will be opening Fall 2023 offering the campus community the best in fresh coffee and pastries.

Charger Café Hours
 Mon-Fri - 7:00 AM - 1:00 PM

Charger Daily Drip Hours
 Mon-Fri - 7:00 AM - 1:00 PM

Scholarships and Emergency Financial Assistance

The Cypress College Foundation is a non-profit, tax-exempt organization dedicated to supporting student success and advancing the mission of

Cypress College. The Foundation raises and distributes funds to provide student scholarships, emergency financial assistance, and support for innovative college programs and initiatives. Major fundraising efforts includes the annual Americana Awards, one of Orange County's premiere community events; The President's Circle, comprised of dedicated supporters and community partners; the Cypress College Golf Classic; the Alumni Network, Cypress College graduates who give back; Legacy Society, donors who give planned gifts and endowments; the Employee Giving Program, where our faculty and staff give through payroll deduction; and a variety of other giving opportunities, including planned giving. For more information, please contact the Cypress College Foundation office at 714-484-7126, email: foundation@cypresscollege.edu, or visit Cypress College Foundation

Normal Hours of Operation

Mon – Fri	8:00 am – 5:00 pm

Grads to Be Program

The **Grads to Be Program** at Cypress College offers a welcoming and supportive environment dedicated to serving undocumented students. Whether you are beginning your journey or have been part of our community for some time, we are here to empower you to thrive and build a strong sense of belonging on campus. Embracing every student's unique experience, we take a holistic approach to the resources and services we provide. Our mission is to support your academic, professional, and personal success every step of the way.

Services include:

- Financial aid and scholarship assistance
- Academic, career, and personal counseling
- Peer mentoring
- Legal aid assistance
- Mental health referrals
- Enrollment and registration assistance
- Workshops and events
- Connections to campus and community resources

Location: Cypress College Complex Building, 2nd Floor, Room 201

Phone: (714) 484-7368

Email: gradstobe@cypresscollege.edu

Website: <https://www.cypresscollege.edu/academics/divisions-special-programs/services/eops-care-calworks-guardian-scholars/grads-to-be-program/>

Health Services

Health and Wellness Center

The Cypress College Health and Wellness Center is committed to supporting your physical, mental, and emotional well-being. We offer a variety of health care, counseling, and wellness programs to help you stay healthy and succeed academically.

Our team provides confidential care and promotes a balanced lifestyle so you can thrive both in and outside the classroom.

Services include:

- First aid and care
- Health assessments
- Family planning services
- Personal health counseling and referrals
- Psychological counseling services
- Diagnosis and treatment of acute illness
- Laboratory services, including pap tests, STI screening, emergency contraception/Plan B, pregnancy testing

Location: Building 17, in parking lot 4

Phone: (714) 484-7361

Email: healthcenter@cypresscollege.edu

Website: <https://www.cypresscollege.edu/academics/divisions-special-programs/services/health-center/>

International Students

International Students Program

The International Students Program at Cypress College provides specialized support and services to students from around the world pursuing their education in the United States. We are dedicated to helping you successfully navigate admission, enrollment, and campus life while fostering a welcoming community.

Our team offers guidance on visa requirements, academic planning, cultural adjustment, and connects you to resources designed to support your success.

Services include:

- Assistance with admission and F-1 visa application processes
- Orientation programs tailored for international students
- Academic advising and support
- Workshops on cultural adjustment and campus involvement
- Referral to campus and community resources

Location: Cypress College Student Center, 1st Floor **Phone:** (714) 484-7049 **Email:** international@cypresscollege.edu

Website: <https://www.cypresscollege.edu/academics/special-programs/international-students-program/>

Legacy Program

Established in 2000, the Cypress College Legacy Program is the first community college program in Orange County to focus on the study of the African-American experience. Set in a supportive academic environment, students create close bonds with peers, professors, and Cypress College staff as they participate in a variety of events on and off campus. The two-semester program is designed to offer underrepresented students an opportunity to transfer successfully to a four-year institution and to excel in university-level work. Legacy combines academic, community, and mentoring components to foster a positive, well-rounded college experience.

Legacy students are enrolled in special sections of core courses with the goal of completing a minimum of four transfer eligible courses while in the program.

- **ENGLISH** — Legacy students take English 101 and English 104 their freshman year. These courses fulfill both CSU and UC transfer plans along with major core requirements for specified career pathways. Students will increase their ability of both written language and critical thinking skills with the accomplishment of the English sequence.
- **COUNSELING** — Legacy students also take COUN 150 C and COUN 160 C within their freshman year. These classes help Legacy students connect to study skills, tutorial services, mental health counseling, career exploration, academic education plan completion, and identify lifetime goals.
- **ETHNIC STUDIES** — While taking ENGL 104 C, Legacy students will be concurrently enrolled in ETHS 129 C. These classes offer complementary curriculum so students will be able to take material they learn from both classes to improve their knowledge, appreciation, and understanding of the African-American experience.
- **INDEPENDENT STUDIES** - INDS 115 is an Independent Studies section that focuses on the African American learning and cultural experience with the goal of academic, social, and overall positive health and healing perspective. This experience will galvanize the student/Legacy experience and will be taken within the student's freshman year.
- **MENTORING** — The Legacy Program matches each student with a mentor from the Cypress College faculty and staff who will offer guidance, support, and encouragement during the program year.
- **SPECIAL ACTIVITIES** — Students participate in Legacy sponsored campus and community programs and events throughout the year. The Legacy Program is an excellent opportunity for students to learn about African-American history and culture while developing the skills necessary to be a successful college student.

For more information, call (714) 484-7000 ext 48595.

LGBTQ+ Support

Cypress College is committed to creating an inclusive environment for all students, including our LGBTQ+ students. To connect with resources and stay up-to-date about events, visit the LGBTQ+ webpage.

LGBTQ+ Liaison

The Cypress College LGBTQ+ Liaison serves as a point of contact for the needs of LGBTQ+ faculty, staff and students. Their primary goal is to assist in creating a safer and more inclusive learning and working environment for queer individuals at Cypress College. They also serve as a resource for individuals seeking to better support LGBTQ+ individuals in our campus community. If you need support for yourself, need guidance to better support others, or have any other LGBTQ+-related needs or concerns, please contact the campus LGBTQ+ Liaison:

Jenelle Herman (she/her)

Confidential Matters: jherman@cypresscollege.edu / (714) 484-7000 x48739

General Inquiries/Support: Q@cypresscollege.edu / (714) 484-6101

**Please include your name and contact number in both email and phone messages. Thank you!*

Name Changes

Students can update their pronouns and chosen name in Canvas, on instructor rosters, and on their student ID card. Please visit the [LGBTQ+ webpage](#) for instructions. Contact the LGBTQ+ Liaison or Pride Center if you have any questions or concerns.

Pride Center

The Cypress Pride Center is a resource center and inclusive space for LGBTQ+ students and allies to relax, build relationships, study, get support, and access resources. The Center hosts a Lavender Welcome each fall semester, a Lavender Graduation at the end of each spring semester, weekly Queer-Straight Alliance student club meetings, and other workshops and events throughout the year. Students and staff work together through the Pride Center to increase queer visibility and representation, intersectional awareness, and inclusivity across the campus.

Email Q@cypresscollege.edu for more information.

The Pride Center is open and staffed during the fall and spring semesters Monday-Thursday from 8:00 am – 6:00 pm and Fridays from 8:00 am – 2:00 pm.

Queer-Straight Alliance Student Club

The Queer-Straight Alliance (QSA) is the official LGBTQ+ student club on campus. The primary focus of the club is community and connection with other queer folks. The QSA holds weekly club meetings and also participates in many campus events, attends queer conferences, and assists in educating the campus on queer identities and experiences. Learn more by visiting our Instagram [@CypressCollegePride](#).

Liberated Intellectuals For Excellence Program (LIFE)

LIFE (Liberated Intellect's For Excellence) Mission:

The LIFE (Liberated Intellectuals for Excellence) Program strives to support formerly-incarcerated, system-impacted, and substance abuse recovery students, so that they successfully achieve and exceed their goals through the vehicle of higher education. Receiving an education not only drastically reduces the recidivism rate, it also serves to elevate individuals and communities out of the systems that lead to their incarceration. We aim

to empower and uplift the generations of current and future students who seek an education on Cypress College's campus.

The LIFE Program is a member of the Rising Scholars collaborative, a network of California Community Colleges committed to serving incarcerated and formerly incarcerated students by providing degree-granting programs in correctional facilities and on-campus support for students who have experienced the criminal legal system.

LIFE Supports students with:

- Textbook Vouchers: To help you with costly books and school supplies
- LIFE Advocates (Mentors): A team of professionals with lived experience who can provide support and resources during your time here on Cypress College's campus
- Emergency Gift Cards: When you run into financial difficulties and need gas, food, and other supports (available as our resources allow)
- Community Groups: Sober Scholars, FITE (From Incarceration To Empowerment) Club, Healthy Relationships
- Guest Speakers / Community Events: Hosted throughout each semester
- Advocacy Letters: Letters written for you to judges, courts, parole and probation officers
- Transfer Connections: Transfer tours and connections to programs for formerly-incarcerated and system-impacted students on four-year campuses.

In order to receive LIFE Program supports and services, you must identify as being:

- Formerly-incarcerated
- Involved with the criminal legal system (i.e. juvenile detention, jail time, probation, parole)
- System-impacted (you have a loved one who has experienced incarceration)
- Addiction recovery

As a part of the LIFE Program, we ask that our students fulfill a few items during the semester:

- Connect with your assigned mentor (LIFE Advocate) during the semester, approximately every two weeks for a brief check-in and support
- Attend 3 LIFE Program meetings or events during the semester
- Meet with your major counselor for a comprehensive educational plan

(714) 484-7744

LIFE@cypresscollege.edu

Mathematics, Engineering and Science Achievement Program (MESA)

MESA Program

The Mathematics, Engineering, Science Achievement (MESA) Program at Cypress College is dedicated to supporting students who are majoring

in math, engineering, science, or related fields and who are historically underrepresented in these areas.

MESA provides a supportive learning community, academic enrichment, and professional development opportunities to help students successfully transfer to four-year universities and thrive in STEM careers.

Students in MESA build strong connections with peers, faculty, and industry professionals while gaining the tools and confidence they need to excel.

Services include:

- Guaranteed seating in SEM courses
- Tutoring and workshops
- Transfer assistance with MESA counselor
- MESA/STEM study center
- MESA excursions and campus visits

Location: Library/Learning Resource Center, Room 131

Phone: (714) 484-6048

Email: mesa@cypresscollege.edu

Website: www.cypresscollege.edu/mesa/

NextUp/Guardian Scholars Program

The NextUp/Guardian Scholars Program at Cypress College is dedicated to supporting current and former foster youth as they pursue their educational goals. We provide a caring community, personalized services, and resources designed to help students overcome challenges and succeed in college and beyond.

Our team understands the unique experiences of foster youth and is committed to helping you build a strong foundation for academic and personal achievement.

Services include:

- One-on-one academic and personal counseling
- Textbook assistance
- Financial aid and scholarship guidance
- Food support (grocery cards)
- Transportation assistance (gas cards)
- School supplies
- Workshops and peer support groups

Location: Cypress College Complex Building, 2nd Floor, Room 201

Phone: (714) 484-7368

Email: eops@cypresscollege.edu

Website: <https://www.cypresscollege.edu/academics/divisions-special-programs/services/eops-care-calworks-guardian-scholars/guardian-scholars/>

Outreach and Student Ambassador Programs

Outreach and Student Ambassador Programs

The Outreach Program is dedicated to helping prospective and new students successfully transition into college life. Our Outreach team connects with local high schools, community partners, and prospective students to share information about Cypress College's programs, services, and opportunities.

The Student Ambassadors, current Cypress College students, play an important role in welcoming and guiding new students. They share their experiences, give campus tours, and help new Chargers feel at home.

Whether you're exploring Cypress College for the first time or just have questions about getting started, the Outreach and Student Ambassador Programs are here to help you every step of the way.

Services include:

- Campus tours and presentations for schools and community groups
- Application workshops and enrollment assistance
- High school visits and community events
- One-on-one support from Student Ambassadors
- Connection to resources for first-time and returning students

Location: Cypress College Student Center, 2nd Floor

Phone: (714) 484-7000 ext 47461

Email: chargerexperience@cypresscollege.edu

Website: <https://www.cypresscollege.edu/about/who-we-are/student-ambassador-program/>

Puente Program

Puente Program

The Puente Program at Cypress College is a nationally recognized learning community designed to increase the number of educationally underrepresented students who enroll in four-year colleges and universities, earn degrees, and return as leaders in their communities.

Puente (which means "bridge" in Spanish) helps students build a strong academic foundation through supportive counseling, mentoring, and writing instruction that is culturally relevant and inspiring. Students create lasting connections with peers and faculty while gaining the skills and confidence they need to succeed.

Services include:

- One-on-one academic and personal counseling

- Mentoring from professionals in the community
- University campus tours and cultural activities
- Leadership and community engagement opportunities
- A supportive, familia-style learning environment

Location: Humanities Building, Room 128 **Phone:** (714) 484-7180 **Email:** r.rangel@cypresscollege.edu

Website: www.cypresscollege.edu/puente-project/

Reconnect With Cypress College

Reconnect with Cypress College (formerly Adult Re-Entry Program): Learning is a life-long process. Reconnect with Cypress College is available to inspire, guide, educate, and empower individuals returning to school after a gap in their education. Non-traditional students may return to school to take courses to upgrade skills, make career changes, earn a certificate or degree, transfer to a university, or for personal development. We offer career counseling, career classes, career resources, career workshops, and referrals to assist individuals as they transition back to school and move toward successful attainment of their educational and career goals. Reconnect with Cypress College is a component of the Career Planning and Workforce Development Center located on the second floor of the College Complex Building (CCCPLX-215). For information call (714) 484-7120 or visit our website at <https://www.cypresscollege.edu/services/counseling/adult-reentry-program/>.

Science, Technology, Engineering, Mathematics Program (STEM)

The (STEM)² Program is intended to create opportunities for STEM (Science, Technology, Engineering, Mathematics) students to become informed and prepared to apply for diverse hands-on opportunities within STEM career pathways. With a dedicated STEM Center, our program offers a space for students to form study groups and engage with peer mentors, faculty and staff.

STEM² Services:

- Dedicated (STEM)² Counselor
- Transfer Support to any four-year university
- Summer Research, internship and scholarship opportunities
- Field trips/university tours
- Textbook loan program
- Leadership development opportunities

Contact Us:

STEM Program

Front Desk: (714) 484-6048

Email: stem2@cypresscollege.edu

Website: <https://www.cypresscollege.edu/stem2/>

Student Equity and Achievement Program

The Student Equity and Achievement (SEA) Program was established through the enactment of California Education Code 78222. SEA

implements activities and services to eliminate achievement gaps and support educational access and achievement for disproportionately impacted students. The 2022-2025 SEA Plan was developed to increase equitable student success at Cypress College by coordinating campus-wide efforts to develop effective onboarding and support mechanisms along students' pathways toward their educational goals by evaluating the following metrics:

- Successful Enrollment
- Completed Transfer-Level English and Math
- Persistence: First Primary Term to Secondary Term
- Transfer to a Four-Year Institution
- Completion of Certificates and Degrees

For additional information, please contact the Director of Student Equity and Achievement at (714) 484-7097.

Student Life and Leadership

Student Life and Leadership

Student Life and Leadership at Cypress College helps students get involved, build connections, and develop valuable leadership skills outside the classroom. Through clubs, activities, student government, and leadership development opportunities, students can make the most of their college experience.

Getting involved on campus is a great way to meet new people, explore interests, and make a difference in the Cypress College community.

Services include:

- Associated Students (student government) and campus leadership opportunities
- Student clubs and organizations to join or start
- Workshops, events, and leadership training
- Support for planning student activities and events
- Recognition programs for student leaders and clubs
- Civic engagement, cultural celebrations, and community service projects

Location: Student Life and Leadership (SLL), Building 8

Phone: (714) 484-7198

Email: studentlife@cypresscollege.edu

Website: www.cypresscollege.edu/student-life/student-activities/

Veterans Resource Center (VRC)

Veterans Resource Center (VRC)

The Veterans Resource Center (VRC) at Cypress College is dedicated to supporting military and military-affiliated students as they pursue their educational goals. The VRC provides a welcoming space, personalized guidance, and connections to resources that help make the transition from military to college life successful.

Our staff understands the unique experiences and needs of veterans and military-affiliated students and is here to help every step of the way.

Services include:

- Assistance with VA educational benefits and certification
- Academic counseling and educational planning
- Priority registration and enrollment support
- Dedicated study and lounge space for veterans
- Referrals to campus and community resources
- Workshops, events, and networking opportunities for veterans and their families

Location: Veterans Resource Center, Building 8, Room 101

Phone: (714) 484-7150

Email: veterans@cypresscollege.edu

Website: www.cypresscollege.edu/veterans-resource-center/

Transfer Center

The Transfer Center assists students interested in continuing their education at four-year institutions with an emphasis on reaching the historically underrepresented transfer students. The Transfer Center offers students opportunities to meet with representatives from four-year schools for advisement and to attend workshops and transfer fairs. The Transfer Center maintains a computer lab that has access to internet resources related to the transfer process.

For more information, visit the Transfer Center on the second floor of the Student Center, or call (714) 484-7129.

Normal Hours of Operation

Monday - Thursday	8 a.m. - 6 p.m.
Friday	8 a.m. - 5 p.m.

Welcome Center

Welcome Center

The Welcome Center offers prospective, current, and returning students, as well as community members with general information about academic and support services offered by the College. The Welcome Center is staffed by Student Ambassadors who are knowledgeable about the academic and student support services on campus.

Services include:

- Direct students to appropriate departments (Counseling and Student Services, etc.)
- Assist students with registering for classes
- Help with CCCApply and applying to Cypress College
- Help students navigate their student portal, myGateway
- Help students troubleshoot any issues or concerns

Location: Cypress College Student Center, 1st Floor

Phone: (714) 484-7000 ext. 47461

Email: chargerexperience@cypresscollege.edu

Website: <https://www.cypresscollege.edu/about/who-we-are/student-ambassador-program/>

Veterans and Military Affiliated Students

Cypress College is approved as a degree-granting institution for the attendance of veterans under Title 38, United States Code. This includes the programs covered in Chapters 1606, 30, 31, 32, 33 and 35. The College is also approved to participate in the Cal-Vet Fee Waiver program.

Veterans and/or dependents that plan to enroll in Cypress College and need assistance with their education benefits must visit the Veterans Resource Center (VRC). The VRC is located on the 1st floor of the Cypress College Veterans Resource Center, building 8 room 101. To begin the intake process you must provide your DD214 and Certificate of Eligibility (COE). Incoming Veterans may be required to enroll in COUN 150 C, Academic and Life Success.

The Veterans Resource Center works closely with Admissions and Records, Academic Counseling, Financial Aid, and various Veteran agencies to provide the Veteran with services contributing to a successful educational experience.

For information regarding:

- Priority Registration
- GI Bill® and educational benefits
- U.S. Vets "Outside the Wire" program
- Academic Counseling
- Cypress College Veterans Organization
- CalVet Fee Waiver Program
- English and Math Tutoring

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>.

Contact Veterans Resource Center for a list of required documents.

Veterans Resource Center
(714) 484-7150

Veterans Counselor/Coordinator
Juan C. Garcia
jgarcia@cypresscollege.edu

Student Services Coordinator
Nick Gutierrez
ngutierrez@cypresscollege.edu

Student Services Technician/SCO
Carlos Martinez
carlos.martinez@cypresscollege.edu

Hours of Operation for Fall/Spring¹

Monday - Thursday	8:00 am - 5:00 pm
Friday	8:00 am - 5:00 pm (remote)

Hours of Operation for Summer¹

Mon - Thurs	8:00 am - 6:00 pm
Fri	Closed

¹ Availability and hours subject to change at any time.

Disabled Veterans: Veterans who qualify for educational benefits as disabled veterans may be entitled to special educational benefits. Veterans should contact:

VA Regional Office
Federal Building
11000 Wilshire Blvd.
Los Angeles, CA 90024-3602
(800) 827-1000
FAX (310) 235-6640

Veterans with disabilities are encouraged to pursue services offered through Disability Support Services (DSS), located on the 1st floor of the Cypress College Complex. Call (714) 484-7104 for assistance.

Veteran Dependents: Children and spouses of U.S. Veterans with service connected disabilities may be eligible for waiver of college fees and/or Survivors' and Dependents' Educational Assistance (CH 35). For more information visit the Veterans Resource Center located on the second floor of the Cypress College Complex, Room 215. Call (714) 484-7150 for assistance.

Liability: The veteran assumes full liability for any overpayment of veteran's benefits. All persons receiving educational benefits must see the veteran's academic counselor and complete a veteran enrollment form (VEF) every semester to continue their benefits. In addition, a Student Education Plan (SEP) must be on file by the end of the first semester; otherwise, certification of VA benefits will be delayed for the second semester. This plan must be developed and reviewed by an academic counselor.

Number of Units Required: The following number of units is required each semester to qualify for educational benefits for educational and training allowance:

CH 33 Post GI Bill¹

12 units or more	full allowance
9 - 11.5 units	3/4 allowance
6 - 8.5 units	1/2 allowance
2 - 5.5 units	1/4 allowance ²

¹ Enrollment in at least 7 units is required to receive housing. Contact the VRC for more information.

² Chapters 32 and 1606 only.

Short-term and summer session courses are computed proportionately for payment purposes.

Withdrawal/Change of Classes: Veterans are required to notify the Veterans Resource Center when they stop attending class, withdraw from the

college, or add or drop a class. Such changes should be reported immediately after completing the add/drop procedure through myGateway. Failure to comply with this regulation may result in an overpayment of benefits.

Veterans Academic Progress: A veteran student whose GPA falls below a 2.0 for one semester will be placed on academic probation. Veterans who are on academic probation may have to enroll in COUN 150 C Academic and Life Success, to aid the transition back into college life. If the veteran student continues to have a GPA below a 2.0 for two consecutive semesters they will no longer be able to receive educational benefits until a marked improvement has occurred. Contact the Veterans Resource Center for more information.

Repeated Classes: Veterans may not receive benefits for a repeat of a course in which a grade of "A," "B," "C," "D," or "P" has already been earned. Although District policy allows a student to repeat a course in which a "D" grade has been received, the course may be certified for benefits only if this catalog states that a grade of "C" or better in that course is required to earn a degree or meet a prerequisite.

Transcripts: All official transcripts of prior college work and military schools, including copies of form DD214 or DD295 covering all periods of military service, must be on file in the Admissions and Records Office by the end of the first semester of attendance at this college. Certification for benefits for the second semester may be withheld if transcripts are not received.

Cypress College is approved as a degree granting institution for the attendance of veterans under Title 38, United States Code. This includes the programs covered in chapters 1606, 30, 31, 32, 33, and 35. The College is also approved to participate in the Cal-Vet Fee Waiver Program.

Veterans and/or dependents that plan to enroll in Cypress College and need assistance with their education benefits must visit the Veterans Resource Center (VRC). The VRC is located on the 1st floor of the Cypress College Veteran's Resource Center, Building 8, Room 101. We may also be reached at 714-484-7150 or veterans@cypresscollege.edu

For the purposes of Title 38, Public Law 114-407, Cypress College Complies. Any student utilizing Chapter 31 and 33 at our institution is not charged late fees, upfront fees, nor registration withheld for any tuition and fees covered by the VA.

Cypress College does not require students using Chapter 31 and 33 to submit a Certificate of Eligibility (COE) or DD214 to enroll, but it is strongly recommended that they do.

Veterans Benefits

Full-Time	Twelve units per semester
3/4 time	Nine units per semester
1/2 time	Six units per semester

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