



2021-2022 | CATALOG

Compton Community College District

Serving: Carson, Compton, Lynwood, North Long Beach, Paramount, and Watts-Willowbrook

The Compton Community College District serves the communities of Compton, Lynwood, Paramount and Willowbrook, as well as portions of Athens, Bellflower, Carson, Downey, Dominguez, Lakewood, Long Beach, and South Gate. The District is governed by a voter-elected Board of Trustees and a Student Trustee elected by the student body. The president of Compton College is the chief executive officer of the District.

Address
1111 East Artesia Boulevard
Compton, CA 90221-5393

Telephone Number
1-310-900-1600

Website
www.compton.edu

Accreditation

Compton College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges (WASC), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education. Accreditation reports are available on the Compton College website.

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CEO, Compton CCD

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Welcome Message

Welcome to Compton College! Starting a new academic year is always a highlight for me. This is a time to meet new students, set additional goals, and share the many opportunities available at Compton College. As president, it is my job to make sure that students are creating their own success stories and preparing for a bright future.

I hope you feel at home at Compton College. This welcoming and inclusive environment includes a diverse student body that is supported and encouraged to find solutions to challenges. We utilize the latest techniques for preparing for the workforce and offer clear pathways for completion and transition to a university or securing living-wage employment.

This past year has been extremely challenging, and I am proud to see the resiliency and strength shown by our students, faculty, and staff, despite facing a world full of change and uncertainty. We have worked hard to make sure students have access to classes, technology, food, emergency funds, and other services essential to continue their education. Please be assured that in the near future and beyond, we will continue to offer the academic programs and critical support that students need to achieve their goals and be successful.

It is my privilege to be a part of Compton College, where every student is a success story.

Dr. Keith Curry

President, Compton College

CEO, Compton Community College District



2021-2022 Academic Calendar

Fall 2021 Semester

Campus Remains Open – Classes not in session	Friday-Wednesday	August 13 – 18, 2021
Fall Semester Classes Begin	Saturday	August 21, 2021
Weekday Classes Begin	Monday	August 23, 2021
Last Day to Drop and be Eligible for a Refund (First 8-Week Session)	Friday	August 27, 2021
First Day to Apply for Graduation and Certificates (Fall)	Tuesday	August 31, 2021
Last Day to Challenge Residency Status for Current Semester	Friday	September 3, 2021
Last Day to Add (Full Semester Courses)	Sunday	September 5, 2021
Last Day to Drop and be Eligible for a Refund (Full Semester Courses)	Sunday	September 5, 2021
Last Day to Drop Without Notation on Permanent Record	Sunday	September 5, 2021
Labor Day Holiday (Campus Closed)	Monday	September 6, 2021
Active Enrollment Census	Tuesday	September 7, 2021
Last Day to Apply for Degrees and Certificates (Fall)	Thursday	October 14, 2021
Mid-Term Classes Begin (2nd 8 Week Session)	Saturday	October 16, 2021
Last Day to Drop for a Refund/No Notation (2nd 8-Week Session)	Friday	October 22, 2021
Veterans Day Holiday (Campus Closed)	Thursday	November 11, 2021
Last Day to Drop with a "W" (Full Semester Courses)	Friday	November 12, 2021
Thanksgiving Day Holiday/Weekend (Campus Closed)	Thursday-Sunday	November 25-28, 2021
Fall Semester Ends	Friday	December 10, 2021
Campus Remains Open – Classes not in session	Monday - Thurs.	December 13-17, 20-23, 2021
Christmas Holiday (Campus Closed)	Thursday-Friday	December 24-25, 2021
Winter Recess (Campus Closed)	Thurs.-Fri.	Dec. 24, 2021 – Jan. 1, 2021
Local Holiday (Campus Closed)	Thursday	December 31, 2021
New Year's Holiday (Campus Closed)	Monday	January 3, 2021

Winter 2022 Term

First Day to Apply for Graduation and Certificates (Spring)	Tuesday	January 4, 2022
Classes Begin	Tuesday	January 4, 2022
Last Day to Add	Friday	January 7, 2022
Last Day to Drop Without Notation on Permanent Record	Friday	January 8, 2022
Last Day to Drop and be Eligible for a Refund	Friday	January 8, 2022
Martin Luther King Jr. Holiday (Campus Closed)	Monday	January 18, 2022
Last Day to Drop with a "W"	Wednesday	January 27, 2022
Winter Term Ends	Thursday	February 4, 2022

Spring 2022 Semester

Campus Remains Open – Classes not in session	Monday-Tuesday	February 7 – 8, 2022
Professional Development Days Optional Professional Development Day	Wednesday	February 9, 2022
Mandatory Flex Day	Thursday	February 10, 6 hours
	Wednesday-Thursday	February 9-10, 2022
Lincoln's Day Holiday Observed (Campus Closed)	Friday	February 11, 2022
Spring Semester Begin	Saturday	February 12, 2022
Weekday Classes Begin	Monday	February 14, 2022
Last Day to Drop and be Eligible for a Refund (1st 8 Week Session)	Friday	February 19, 2022
Washington's Day Holiday Observed (Campus Closed)	Monday	February 21, 2022
Last Day to Challenge Residency Status for Current Semester	Friday	February 25, 2022
Last Day to Apply for Degrees and Certificates (Spring)	Friday	February 25, 2022

Last Day to Add (Full Semester Courses)	Sunday	February 27, 2022
Last Day to Drop and be Eligible for a Refund (Full Semester Courses)	Sunday	February 27, 2022
Last Day to Drop Without Notation on Permanent Record	Sunday	February 27, 2022
Active Enrollment Census	Monday	February 28, 2022
Spring Recess (Faculty and students)	Saturday-Friday	April 9-15, 2022
Local Holiday – Campus Closed	Friday	April 15, 2022
Mid-Term Classes Begin (2nd 8 Week Session)	Saturday	April 16, 2022
Last Day to Drop for a Refund/No Notation (2nd 8 Week Session)	Friday	April 22, 2022
Last Day to Drop with a “W” (Full Semester Courses)	Friday	May 13, 2022
Memorial Day Holiday (Campus Closed)	Monday	May 30, 2022
Graduation – No classes	Friday	June 10, 2022
Spring Semester Ends	Friday	June 10, 2022
Campus Remains Open – Classes not in session	Monday-Thursday	June 13-16, 2022

Summer 2022 Term

First Six-Week Session – 2022

First Six-Week Session Begins	Monday	June 20, 2022
First Day to Apply for Graduation and Certificates (Summer)	Monday	June 20, 2022
Last Day to Drop and be Eligible for a Refund	Thursday	June 23, 2022
Last Day to Add	Thursday	June 23, 2022
Last Day to Drop Without Notation on Permanent Record	Thursday	June 23, 2022
Active Enrollment Census	Monday	June 27, 2022
Independence Day Holiday Observed (Campus Closed)	Monday	July 4, 2022
Last Day to Drop with a “W” (Full Semester Courses)	Tuesday	July 19, 2022
First Six-Week Session Ends	Thursday	July 28, 2022

Eight-Week Session – 2022

Eight-Week Session Begins	Monday	June 20, 2022
Last Day to Drop and be Eligible for a Refund	Monday	June 27, 2022
Last Day to Add	Monday	June 27, 2022
Last Day to Drop Without Notation on Permanent Record	Monday	June 27, 2022
Active Enrollment Census	Tuesday	June 28, 2022
Independence Day Holiday Observed (Campus Closed)	Thursday	July 4, 2022
Last Day to Drop with a “W” (Full Semester Courses)	Thursday	July 28, 2022
Eight-Week Session Ends	Thursday	August 11, 2022

Second Six-Week Session – 2022

Second Six-Week Session Begins	Tuesday	July 5, 2022
Last Day to Drop and be Eligible for a Refund	Monday	July 11, 2022
Last Day to Add	Monday	July 11, 2022
Last Day to Drop Without Notation on Permanent Record	Monday	July 11, 2022
Active Enrollment Census	Tuesday	July 12, 2022
Last Day to Apply for Graduation and Certificates (Summer)	Thursday	July 22, 2022
Last Day to Drop with a “W” (Full Semester Courses)	Tuesday	August 2, 2022
Second Six-Week Session Ends	Thursday	August 11, 2022
Campus Remains Open – Classes not in session	Friday- Wednesday	August 12-17, 2022
Professional Development Flex Days Mandatory Flex Day	Thursday	August 18 - 6 hours
Optional Professional Development Day	Friday	August 19, 2022
	Thursday-Friday	August 18-19, 2022

Dates are subject to change.

Please check online for the most up-to-date academic calendar: www.compton.edu/academics/calendar.aspx

Compton College

Certification

The Compton Community College District hereby certifies that this Catalog is true and correct in content as required by DVB Circular 20-76- 84, Appendix P, Paragraph 6(a), Department of Education, State of California.

Disclaimer

Compton College has made every reasonable effort to determine that this Catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the administration for reasons related to student enrollment and level of financial support, or at the discretion of the district and the college. The district and the college further reserve the right to add, amend or repeal any rules, regulations, policies and procedures consistent with applicable laws. The college reserves the right to change any provision in this Catalog at any time, with or without notice.

Equal Opportunity Policy/Prohibited Discrimination and Harassment

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

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

The Compton Community College District has identified the Vice President of Human Resources to the State Chancellor's Office and to the public as the single District officer responsible for receiving all unlawful discrimination complaints filed pursuant to Title 5, section 59328 of the California Code of Regulations 1, and for coordinating their investigation. The District's Director of Diversity, Compliance and Title IX coordinates its efforts to comply with and carry out its responsibilities under Title IX of the Education Amendments of 1972 and its regulations. Students, including students of

Compton College, employees, and others affiliated with the District may use the procedures described herein to make a complaint of noncompliance with Title IX.

Applicable Administrative Regulations:

AR 3410 - Nondiscrimination
AR 3435 - Discrimination and Harassment
Complaints and Investigations

Unlawful Discrimination Complaints

The College affirms its policy to provide an educational and employment environment in which no person shall be unlawfully denied admission, access or benefit to, nor employment in any program or activity that is administered, funded directly by, or that receives any financial assistance from the State Chancellor or Board of Governors of the California Community Colleges on the basis of race, color, national origin, sex (including sexual harassment), gender, disability, and age as required by Title VI, Title IX, Section 504, the Age Discrimination Act. Students or employees with questions, concerns or complaints of unlawful discrimination may contact and/or file a complaint with these offices.

Students and employees may file an official complaint with the appropriate offices or agencies to initiate a Compton College discrimination investigation:

- **Compton College responsible District officer and Title IX Coordinator:**
Tina Kuperman
- **Director, Diversity, Compliance and Title IX**
310-900-1600, ext. 2144
(Students/Employees)
- **California Community Colleges System Office**
Attention: Legal Affairs Division
1102 Q Street Sacramento, CA 95814-6511
(Students/Employees)
- **U.S. Department of Education, Office for Civil Rights**
50 Beale Street, Suite 7200 San Francisco, CA 94105
(Students)
- **California Department of Fair Employment and Housing**
611 W. Sixth Street, Suite 1500 Los Angeles, CA 90017 (Employees)
- **U.S. Equal Employment Opportunity Commission**
255 E. Temple Street, 4th Floor Los Angeles, CA 90012 (Employees)

Prohibition of Harassment

AR 3430

The District is committed to providing an academic and work environment free of unlawful harassment. This procedure defines sexual harassment and other forms of harassment on campus and sets forth a procedure for the investigation and resolution of complaints of harassment by or against any staff or faculty member or student within the District.

This regulation and the related policy protects students, employees, unpaid interns, and volunteers in connection with all the academic, educational, extracurricular, athletic, and other programs of the District, whether those programs take place in the District's facilities, District vehicles, or at a class or training program sponsored by the District at another location.

References:

Education Code Sections 212.5, 44100, and 66281.5;
Government Code Section 12940;
Civil Code Section 51.9; Title IX, Education
Amendments of 1972;
Title 5 Sections 59320 et seq.;
Title VII of the Civil Rights Act of 1964, 42 U.S. Code
Annotated Section 2000e

History

The Compton Community College District (CCCD) was established in 1927 as a component of the Compton Union High School District. In 1950, voters approved a bond issue separating the college from the high school district. Construction of the new college campus was completed on the present site. Classes began on the new campus in fall 1956.

On June 7, 2017, the Accrediting Commission for Community and Junior Colleges (ACCJC) granted initial accreditation status to Compton College. The action established Compton College as an accredited college within the El Camino Community College District.

Compton College was officially named the 114th California Community College through unanimous vote by the Board of Governors in July 2017. On August 29, 2018, California Community Colleges Chancellor Eloy Oakley issued Executive Order 2018-01 declaring Compton College will operate as an independent college under the authority of the Compton Community College District (CCCD) Board of Trustees effective June 7, 2019 at 11:59 p.m.

Vision, Mission, Institutional Effectiveness Outcomes, and Strategic Initiatives

BP 1200 Mission, Vision, and Strategic Initiatives

Vision

Compton College will be the leading institution of student learning and success in higher education.

Mission Statement

Compton College is a welcoming and inclusive community where diverse students are supported to pursue and attain student success. Compton College provides solutions to challenges, utilizes the latest techniques for preparing the workforce and provides clear pathways for completion of programs of study, transition to a university, and securing living-wage employment.

Institutional Effectiveness Outcomes

Institutional Effectiveness involves the College's efforts toward continuous improvement in institutional quality, student success, and fulfillment of the mission. The College's integrated assessment, evaluation, and planning processes are put into practice with the ultimate outcome of greater Institutional Effectiveness—more students from our diverse communities attaining educational success and achieving their academic and career goals.

The Tartar Completion by Design provides a framework for the student experience, which is organized around the College's outcomes and strategies: student connection (how a student learns about the college through when they apply), entry (enrollment through gatekeeper courses), progress (through 75% of program of study), completion



(the last 25% of coursework to earning a degree or certificate), and transition (into employment or transfer to a four-year institution).

The following outcomes will be used to measure progress on student achievement and improvements in institutional effectiveness at Compton College:

Connection

- Successful Enrollment
- Number of Dual Enrollment Students

Entry

- Student Readiness Rate
- Completion of transfer-level English in first year
- Completion of transfer-level math in first year
- All student fall to spring persistence rate
- Three-Term Persistence Rate (first-time, full-time students)

Progress

- Successful Course Completion Rate
- Average Units Completed per Academic Year

Completion

- Number of Associate Degrees awarded
- Average units acquired per Associate Degree
- Number of Associate Degrees for Transfer awarded
- Average units acquired per Associate Degree for Transfer
- Number of Certificates awarded
- Number of students completing 9+ CTE units
- Number of CTE students employed in their field of study

Transition

- Number of Transfers

The College originally developed improvement goals through a consultation process from the 2015-2016 through the 2019-2020 academic year, and comparing annual progress with a baseline year. In spring 2019, the College updated its improvement outcomes and aligned them with the California Community College State Chancellor's Office Vision for Success. Institutional effectiveness outcomes will be monitored annually for progress on each goal outcome. In addition, an overriding priority is to reduce existing differences in achievement by demographic characteristics across all measures.

Strategic Initiatives

In order to fulfill the mission and make progress toward the vision from 2017 to 2024, Compton College will focus its efforts on the following Strategic Initiatives. Strategic Initiatives represent the areas of focused improvement. Objectives are college-wide plans to make progress on each initiative.

Improve recruitment, enrollment, retention, and completion rates for our students.

Objective 1. Tailor degree and certificate programs to meet the needs of our students.

Objective 2. Educate students about pathways to graduation.

Objective 3. Enhance student preparation for academic success and completion.

Objective 4. Provide a student-centered environment that leads to student success.

Support the success of all students to meet their education, and career goals.

Objective 1. Attract and retain traditional students, and focus on retaining non-traditional students.

Objective 2. Minimize the equity gap for access, retention, and graduation rates.

Objective 3. Identify and provide clear pathways for traditional and non-traditional students to meet their goals.

Support the success of students through the use of technology.

Objective 1. Implement an early alert program to identify and notify students of support services and programs in a timely manner.

Objective 2. Provide robust distance education course and service offerings.

Objective 3. Enhance technology for teaching and learning through professional development.

Offer excellent programs that lead to degrees and certificates in Allied Health and Technical fields.

Objective 1. Increase the number of degrees and certificates awarded in the Allied Health and Technical fields.

Objective 2. Implement a plan to target outreach of working professionals in Healthcare and Advanced Manufacturing.

Objective 3. Create collaborative partnerships with industry leaders in the Allied Health and Technical fields.

Establish partnerships in the community and with the K-12 schools.

Objective 1. Establish faculty to faculty partnerships with K-12 feeder schools to better align curriculum between the two segments, and to improve student preparation.

Objective 2. Continue to develop more Career and Technical Education programs that meet the needs of the community.

Objective 3. Strengthen the broader needs of the community served by Compton Community College District.

Institutional Learning Outcomes (ILOs)

1. Critical Thinking

Students apply critical, creative and analytical skills to identify and solve problems, analyze information, synthesize and evaluate ideas, and transform existing ideas into new forms.

2. Communication

Students effectively communicate with and respond to varied audiences in written, spoken or signed, and artistic forms.

3. Community and Personal Development

Students are productive and engaged members of society, demonstrating personal responsibility, and community and social awareness through their engagement in campus programs and services.

4. Information Literacy

Students determine an information need and use various media and formats to develop a research strategy and locate, evaluate, document, and use information to accomplish a specific purpose. Students demonstrate an understanding of the legal, social, and ethical aspects related to information use.



Admissions and Registration

Admission Requirements

Admission

Any person over the age of 18 or possessing a high school diploma or its equivalent from the USA or other nation shall be admitted unless prohibited by law. If under the age of 18, students qualify if they have 1) graduated from high school or 2) passed the California High School Proficiency Examination.

Special Part-time or Full-Time Students

Compton College may admit as a special part-time or special full-time student anyone in grades kindergarten through 12 (K-12) who, in the opinion of the college president/CEO, may benefit from instruction. Enrollment fees will be waived pursuant to Education Code Section 72252.

K-12 students shall receive credit for completed courses. If credit is used for high school graduation, attention is called to Section 1630, Title 5, California Administrative Code.

California Residency Definition

A California resident for tuition purposes is defined as a citizen of the United States or a person who holds a status that allows them to establish residency in the United States and can provide evidence of physical presence in the state of California for at least one year prior to the residency determination date, and evidence of intention to make California their permanent home. Documented evidence must correspond to dates of physical presence in California. A non-resident is a person who does not meet the residency requirements of the state of California for tuition purposes or who is a citizen of a foreign country and holds only temporary status in the United States.

California Residency Waiver

AB 540 allows qualified students who meet specific criteria to pay in-state tuition at California public colleges and universities.

Residence Requirements

A student 19 years or older who resides in California is classified as a district resident as defined by the California Education Code and may enroll in any courses for which they are qualified. Residency is determined based on two factors: continued physical presence in California and intent to maintain California as the legal state of residence. The student cannot have engaged in any activity that contradicts California residency law and the

student may not be in a classification that by law prohibits the establishment of residence. The residence of the student under age 19 is determined by the legal residence of the student's parents or legal guardian as defined by law.

Exceptions to Residence Determination

A list of exceptions to residence determination will be issued by the Admissions and Records Office to each student who is classified as a "non-resident."

Consideration will be given to appropriate evidence submitted by the student who has or is currently serving in the United States military service or who is a dependent of a member of the United States military service. The student should contact the Admissions and Records Office for possible classification as a resident.

A student who is classified as a non-resident may petition for residence in accordance with the laws and regulations of California and the policies and procedures of Compton College. The burden of proof is on the student. The petition for residence reclassification must be filed by the published deadline.

(Reference: Administrative Regulation 5015 - Residence Determination)



Appeal Procedure

Any student, after a decision on residence classification is rendered, may make a written appeal as provided in Title 5, California Administrative Code, within 30 calendar days of notification.

Concurrent Enrollment of K-12 Students**Board Policy 5010**

It is the policy of the Compton Community College District that Compton College shall admit students who meet one of the following requirements and who are capable of profiting from the instruction offered:

I. General Admission

Any person over the age of 18 or possessing a high school diploma, or who has passed the California High School Proficiency Test, or has a GED, or has a Certificate of Completion from a high school or other nation shall be admitted.

II. K-12 Concurrent Enrollment (Also refer to AR 5011)

A. Limitation of K-12 Concurrent Enrollment by Grade Level

a. Any student whose class level is equal to grades 9 and above is eligible to attend as a special part-time or full-time student for advanced scholastic or vocational courses provided they are not prohibited to attend by federal or state law.

B. Admission of K-8 Students

a. A student in K-8 may be admitted for attendance under very limited circumstances as identified by the District.

C. Admissions Procedures

a. The President/Chief Executive Officer shall establish procedures regarding the ability to benefit and admission of high school and younger students.

D. Denial of Special Full-time or Part-time Enrollment

a. The denial of special full-time or part-time enrollment and the appeal process shall be identified in the District's procedures.

III. Claims for State Apportionment for Enrollment of Special Admission Students

Claims for state apportionment submitted by the District based on enrollment of high school students shall satisfy the criteria established by statute and any applicable regulations of the Board of Governors.



Steps to Enrollment

Steps to Enrollment

Step 1: Apply for Admission

www.compton.edu/apply/

File a college application Admission and declare one of these goals:

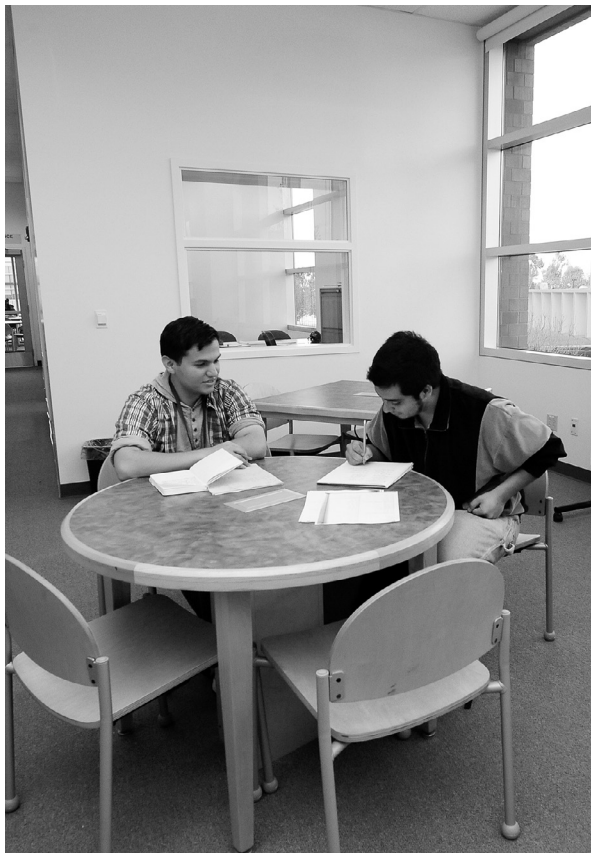
- Associate degree and transfer to a university
- Associate degree in a career technical program
- Associate degree in a general education program
- Certificate of Achievement or Completion in a career technical program
- Transfer to a university without an associate degree

Step 2: Financial Aid (recommended)

www.compton.edu/student-services/financialaid/

Apply for financial aid by completing the Free Application for Federal Student Aid (FAFSA) www.fafsa.ed.gov/ using school code 042817 for Compton College or the California Dream Act Application (CADAA) for eligible AB 540 students <https://dream.csac.ca.gov/>. The school code for Compton College is 04281700.

- A variety of scholarships are available: www.compton.edu/student-services/financialaid/



Step 3: Participate in New Student Orientation

www.compton.edu/steps/orientation.aspx

New students must complete the Compton College New Student Orientation, available online, to complete the Steps to Enrollment. The New Student Orientation is mandatory for all new Compton College students, even if they have previously attended another college. The orientation will inform students about the college's educational opportunities, important guidelines for achieving academic goals, and academic and student support services.

Special orientation sessions are arranged for high school students at their high schools. In addition, orientations may be arranged for students who participate in support programs, such as Honors, First Year Experience, EOPS, Financial Aid, Special Resource Center, and Athletics. Students are encouraged to enroll in a human development course.

Step 4: Educational Planning

All new students are required to meet with a counselor prior to registration to develop an educational plan. English and mathematics placement is required to complete an educational plan. Multiple measures may be used to determine students' placement in English and mathematics. The multiple measures used to place students are:

- (1) high school GPA
- (2) high school courses and;
- (3) high school grades.

Students may take the English and Mathematics Placement Survey and/ or meet with a counselor to review students' high school academic history to recommend English and mathematics placement to assist in the development of an education plan.

All new students are required to obtain an abbreviated educational plan, which takes into account the students' unique experiences and goals to plan the students' first semester classes. Continuing students are required to complete a comprehensive educational plan by the time they have completed 15 units or by the end of the third semester at Compton College. The comprehensive educational plan includes all courses required for educational goal completion. For more information on making a counseling appointment, please see the

counseling webpage at <http://www.compton.edu/student-services/support-services/counseling/>.

Continuing students should meet with a counselor at least once a year to track progress. During this meeting, students will complete/update an educational plan, which is a list of recommended courses for students to take to reach their educational goals. Any concerns regarding the educational planning process may be addressed with the Dean of Counseling and Guided Pathways. A formal grievance must follow the policy and procedures outlined in this catalog.

For the non-matriculant student: All services and classes are open to general admission students. If students do not wish to matriculate, they will nonetheless be provided full access to services and classes at Compton College. General admission students will not be required to complete the Steps to Enrollment process.

Students must have transcripts from all colleges attended before making a counseling appointment. English, mathematics, or other subject courses completed with a grade of "C" or better at an accredited college may be used to meet prerequisites or co-requisites if the completed courses are equivalent to Compton College courses.

Official transcripts must be mailed from each high school, college or university to the Compton College Admissions and Records Office. Hand-carried transcripts are not accepted by the Admissions and Records Office.

Step 5: Register for classes

- Register online for classes on or after your assigned appointment time
- Registration is based on a priority system.

Student Fees, Refunds and Credits

Enrollment Fee

Compton College has a strong commitment to ensuring accessibility to all of its programs and services to all students who are capable of benefiting from such programs and services. A limited number of related services, which the student uses shall be supported by fees charged to students to assist in defraying the costs of providing these services.

The enrollment fee will be assessed at the time of registration. Students who do not pay this required fee at the time of registration may be subsequently dropped from classes, and grades, transcripts, and diplomas will be withheld and future registration restricted. The enrollment fee is \$46 for each unit of credit (subject to change).

Students who are not dropped from courses for non-payment are still liable for all fees unless the student drops the courses by the published refund deadline. It is the student's responsibility to pay all fees or to drop themselves from their courses by the deadline dates. All fees, including any optional fees, such as a Parking Permit or ASG Student Activities Fee, that may have been requested at the time of registration must be paid by the deadline.

Students on a waitlist for a class must check their Compton College email DAILY to find out if they have been admitted to the class. If students are admitted to a class from the waitlist, they must pay

those class fees on or before the next scheduled deadline or they will be dropped from all classes, including those already paid for.

It is the student's responsibility to keep informed of their waitlist status and to pay any fees due by the scheduled deadlines.

Compton College is part of the system of public higher education of the State of California. The information in this section may be subject to change as a result of new state legislation or requirements of the California Community Colleges Chancellor's Office after the publication date of this catalog.

The enrollment fee requirement does not apply to students enrolled in the non-credit courses specified in Education Code Section 84711.

A student who is in the Temporary Assistance for Needy Families (TANF) Program, the Supplemental Security Income/State Supplementary Program (SSI/SSP), or the General Assistance Program in the Financial Aid Office must apply for the Enrollment Fee Financial Assistance programs in the Financial Aid Office prior to the close of the term in which the student is registered. If any additional documentation is required, it must be submitted to the Financial Aid Office and completed prior to the close of the school term. (Board Policy 5030).

All students interested in applying for financial aid or receiving financial aid need to refer to the information in the financial aid and scholarship section of this catalog.

Fee Holds

Students are required to pay fees within ten (10) days of their enrollment in courses (AR 5031). A non-payment hold may be placed on a student record if registration fees are past due. This hold will prevent the student from registering or adding additional courses for the next and/or future semesters.

Removing a Fee Hold

To register for classes in an upcoming semester or intercession, all fees must be paid before registration begins. A fee hold is automatically removed once the balance is paid in full.

Fee Payment Methods

Personal checks drawn on United States banks only, money orders or cash will be accepted for any fee paid. VISA, Discover, American Express, and MasterCard credit cards will also be honored. Checks returned by a student's bank for any reason will result in:

- (1) suspension from enrollment,
- (2) denial of subsequent registration, and
- (3) a hold being placed on the student's transcript until the financial obligation has been satisfied.

A service charge of \$20 will be assessed on any returned check.

Health Services Fee

In accordance with the California Education Code, Section 72246, Compton College students pay \$19 each semester and \$16 per intercession for a health services fee to cover the operation, supervision, programs and services of the Student Health Center at Compton College.

There are exceptions under these conditions: Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination or organization. Exemptions: Part-time dual enrolled high school students are not required to pay the Health Services Fee.

Refund: Students who withdraw from all courses prior to the close of the second week of the term will be eligible for a refund of the Health Services Fee. Forms to request a refund may be obtained at the Bursar's Office.

Instructional Materials Fees

Students may be required to provide instructional materials required for a credit or non-credit course. Such materials shall be of continuing value to a student outside of the classroom setting and shall not be solely or exclusively available from the District. Required instructional materials shall not include materials used or designed primarily for administrative purposes, class management, course management, or supervision. Where instructional materials are available to a student temporarily through a license or access fee, the student shall be provided options at the time of purchase to maintain full access to the instructional materials for varying periods of time ranging from the length of the class up to at least two years. The terms of the license or access fee shall be provided to the student in a clear and understandable manner prior to purchase.

Non-Resident Fee

In addition to the general student fees, an out-of-state United States citizen or citizen of another country is charged a non-resident fee of \$336 for every credit unit (subject to annual change each fall semester).

Non-Resident Tuition Fee Refund

Non-resident students will receive a full or partial refund for non-resident tuition if they drop their classes through the online system, MyCompton, according to the following schedule:

1. During the second calendar week of the semester, 100 percent of the fee will be refunded.
2. During the third calendar week of the semester, 75 percent of the fee will be refunded.
3. During the fourth calendar week of the semester, 50 percent of the fee will be refunded.
4. During the fifth week of the semester, 25 percent of the fee will be refunded.

Refunds for the summer sessions and for short-term courses that meet less than 16 weeks will be granted if classes are dropped according to the following schedule:

1. During the second calendar week of the semester, 100 percent of the fee will be refunded.
2. During the third calendar week of the semester, 75 percent of the fee will be refunded.
3. During the fourth calendar week of the semester, 50 percent of the fee will be refunded.
4. During the fifth calendar week of the semester, 25 percent of the fee will be refunded.

Parking Fee

Students/visitors wishing to park on campus will pay a \$20 fee per term/semester in accordance with Education Code Section 72247.

Students/visitors with disabilities who have been issued a Disabled Person (DP) placard may park in any student space or faculty/staff space and **MUST DISPLAY** the DMV disabled person placard/ plates **AND** a valid Compton College semester permit when parked on campus. To avoid receiving a parking citation, students must display both the disabled placard/plates and the Compton College semester permit. Students parking in marked Disabled parking spaces must display their DMV placard only. Temporary medical parking arrangements can be made at the Compton College Police Department.

The Compton Community College District shall not be liable under any circumstances for the loss or damage caused to any vehicle parked on or adjacent to any district property.

Refund of Enrollment/Parking Fees

To receive a refund, students must drop their classes through the online system, MyCompton, according to deadline dates published in the schedule of classes, the short-term calendar, and on fee receipts. Non-resident tuition refund dates are different. Refer to the Non-Resident Tuition Refund section.

To receive a refund for a parking permit, students must return the permit to the Bursar's Office within the time period specified in the class schedule.

Refund checks will be mailed before the end of the semester.

If a mailing address has changed, please update the change through the MyCompton student portal.

Students who drop a class that meets fewer than 15 weeks should consult the short-term calendar for refund deadlines.

A refund fee not to exceed \$10 may be charged for enrollment refunds.

Student Activities Fee

All students are charged the \$10.00 Student Activities Fee when they register for classes. Students who paid the Student Activities Fee may pick up their ASG sticker at the Bursar's Office (C-36). Students may opt-out of the Student Activities Fee (also referred to as the ASG Sticker) within the first two weeks of the semester. To opt out, please go to the Office of Student Development (R-61). Students who opted out of the fee, can pay the fee at any time during the semester to receive an ASG sticker at the Bursar's Office (C-36).

Student Representation Fee

The Student Representation Fee is a two-dollar charge collected at the time of registration for each enrolled student for purposes of providing student governmental affairs representatives the means to state their positions and viewpoints before city, county, district, state, and federal government as well as other public agencies. The \$2 Student Representation Fee is used by the Associated Student Government of Compton College and the Student Senate of California Community Colleges to advocate and lobby for legislative issues that affect and benefit community colleges and community college students both at the state and federal level. The fee is regulated by the California Education Code 76060.5.

Any student wishing not to pay the Student Representation Fee may request to waive the fee at the Admissions & Records Office. The request must be submitted prior to the earliest refund deadline for the student's enrolled classes.



Financial Aid

Financial aid programs are awarded to eligible students to help pay their college expenses such as books and supplies, transportation, and other necessities. The Compton College Financial Aid Office encourages all students to become informed about the variety of financial aid programs available. Need help paying for college? Apply for financial aid by completing the:

Free Application for Federal Student Aid (FAFSA) www.fafsa.ed.gov/ using school code 042817 for Compton College. California Dream Act Application (CADAA) for eligible AB540 students <http://dream.csac.ca.gov>. Use school code 04281700 for Compton College.

The Financial Aid Office currently administers the following types of state and federal financial aid programs to our students:

Federal Financial Aid Programs

Federal Pell Grant – Federally funded grants for eligible undergraduate students based on calculated needs.

Federal Supplemental Educational Opportunity Grant (FSEOG) – Federally funded grants for eligible undergraduate students based on calculated needs.

Federal Work Study (FWS) – Federally-funded program that allows eligible students to seek employment for on-campus jobs.

Federal Direct Loan (Subsidized and Unsubsidized) – Federally administered, low-interest loans available to eligible students.

State Financial Aid Programs

California College Promise Grant (CCPG)
State-funded waivers of enrollment fees for eligible students.

Cal Grants – State-funded award for eligible students from disadvantaged backgrounds, or low-income families who have exceptionally high financial need, to provide them assistance with enrollment fees, living expenses, books, supplies, and transportation. Further information related to Cal Grants available at www.csac.ca.gov.

Dream Act (AB 540) – Several types of state and institutional aid are available to AB 540 students

as a result of the California Dream Act. Information, deadlines and application requirements are always updated on the Compton College Financial Aid Dream Act resource page on the Compton College Financial Aid webpage or by visiting the Financial Aid Office.

Student Success Completion Grant (SSCG) – The Full Time Student Success Grant (FTSSG) and the Community College Completion Grant (CCCG) combine into one award named the Student Success Completion Grant (SSCG).

Chafee Grant – The Chafee Grant is available for former foster youth students who were in foster care between the ages of 16-18 years old and are now between the ages of 18-22.

Verification

The California Department of Education or California Student Aid Commission randomly selects students for verification. Students can visit compton.verifymyfafsa.com to complete their verification requirements online.

Satisfactory Academic Progress (SAP)

- Students must maintain a cumulative GPA of 2.0 or higher
- Complete at least 67% of units attempted cumulative



- Students are not eligible to receive financial aid when they have attempted more than 150% of their program length
 - 60 units required for an AA degree x 150% = 90 units allowed
 - Certificate programs vary (# units required for program) x 150% = Maximum units allowed

For more information regarding SAP, please view the Satisfactory Academic Progress Policy available online at <http://www.compton.edu/student-services/financialaid/docs/2011forms/SAP.pdf>.

Return to Title IV Funds

Recipients of federal aid programs (Title IV grants or Direct Loans) who withdraw completely from the college before completing at least 60% of their enrollment period may be required to repay all or part of aid received. The Financial Aid Office at Compton College will officially notice the student regarding the amount owed and repayment deadline.

For additional information:

Financial Aid Office
Room E-17
1111 E. Artesia Blvd.
Compton, CA 90221
310-900-1600 Ext. 2935
<http://www.compton.edu/student-services/financialaid/>



Registration for Classes

Open Enrollment

Unless specifically exempted by statute, every course, course section, or class, wherever offered and maintained by the District, shall be fully open to enrollment and participation by any person who has been admitted to Compton College and who meets such prerequisites as may be established pursuant to Article 2.5 (commencing with Section 55200) of Subchapter 1 of Chapter 6 of Division 6 of Title 5 of the California Code of Regulations.

Email Accounts and the Portal

Students are required to use their Compton College assigned email account. This email account is used by faculty and academic divisions, to communicate with students. Email is the primary method used to communicate with students. Student email addresses are assigned after submitting an admissions application. Emails include the first letter of the student's First Name, and their full Last Name, followed by @compton.edu.

For example:

John Doe would be assigned the following email address: jdoe@compton.edu

Compton College's gateway to information about academic and financial aid records, registration and admissions information, and other general information about the college, is accessible through the **MyCompton**, student portal. Students may access **MyCompton** from the convenience of their home or a computer lab. To get to the **MyCompton** student portal, visit www.compton.edu, click the **MyCompton** icon.

Registration Information

Registration Procedure

Upon completion of the admission requirements, students will receive a registration appointment. Registration appointments are issued by the Admissions & Records Office and indicate the day and hour after which students may register.

Students will be able to access their registration appointments via the **MyCompton** portal.

Students may enroll on the date and time indicated or any time thereafter in accordance with the published registration schedule.

Schedule of Classes

Before the registration period for each semester or session, the College publishes a Schedule of Classes listing the courses offered and general registration procedures. Schedules are available online at www.compton.edu/student-services/admission-and-records/ClassSchedule and may also be obtained at the Bookstore for a nominal fee.

A searchable class schedule showing open and available classes is also available online and reflects the most current class information.

Registration Priorities

In compliance with Section 58108 of Title 5, California Administrative Code, priority registration will be implemented as follows:

Tier One

- Eligible students in Veterans, Foster Youth, DSPS, EOPS, and CalWORKs Groups.
- Eligible students in groups approved by the Board of Governors. (There are currently no approved groups)

Tier Two

- Eligible students in District designated groups. Eligible in-district new students.

Tier Three

- Eligible continuing students.
- Eligible non-district new or returning students.

Tier Four

- Other new or returning students. 4. K-12 dual enrolled students.

Tier Five

- Continuing students with 100 or more earned units.
- Continuing students on probation for two consecutive terms, and reinstated dismissed students.

Students within each tier will be prioritized randomly. Eligible new students in Tiers One, Two, and Three must have completed orientation and developed a student educational plan to receive priority registration. Students should contact Veterans' Services, Foster Youth, DSPS, CalWORKs

or EOPS to receive information on qualifications for these programs and eligibility for priority enrollment.

Tier One – Veterans, Foster Youth, DSPS, EOPS, and CalWORKs, and Board of Governors Designated Priority Groups

- **Veterans** - Any qualified member or former member of the Armed Forces of the United States.
- **Foster Youth** - Any student qualified to participate in the Foster Youth Program.
- **DSPS** - Any student qualified to participate in and who receives services from DSPS.
- **EOPS** - Any student qualified to participate in and enrolled in the EOPS program.
- **CalWORKs** - Any student qualified to participate in and enrolled in the CalWORKs program

Tier Two – District Designated and In-District New Students. The student cohorts in Tier Two are members of a cohort approved by the Compton Community College District Board of Trustees to receive priority registration. For the purposes of priority enrollment, these groups shall be treated equally. Students in this tier must meet the deadlines and requirements of the District. The approved cohorts are listed below and shall be updated, as needed, by the Director of Admissions and Records.

- **District Designated Priority Groups:**
 - Associated Students (Student Government)
 - Athletes
 - First Year Experience
 - Honors Transfer Program
 - Compton Promise
 - AB540
 - Homeless
- **Eligible In-District New Students**

Tier Three – Continuing Students and Non-district new and returning

- Any continuing student not disqualified from receiving priority registration by other sections of this procedure.
- A continuing student is a student who continues enrollment without a break of enrollment of a primary term (fall or spring).
- Other Eligible New/Returning Students
 - Other eligible Out-of-District new students
 - Eligible returning students

Tier Four – Other New and Returning Students who have not completed one or more of the required activities in the timeframe determined by the District, and K-12 Dual Enrollment students.

- Other "in-district" students who have attended

another college, but are new to Compton College

- Out-of-district new students
- Students returning to Compton College after a break in enrollment
- New students that do not complete orientation and/or an educational plan
- K-12 Dual Enrolled Students

Assignment of the registration appointment time for K-12 concurrently enrolled student is on a first-come, first-served basis. Each K-12 dual enrolled student shall be assigned a registration appointment time based on the submission date of all required documents for admissions (application for admissions, K-12 dual enrollment form, and other documents required by law, regulation, and District policy).

5. Tier Five – Students on probation for two consecutive primary terms; have reached the 100-unit limit; or have been reinstated following dismissal. Students in this category shall be prioritized randomly.

- Probation: Continuing students who are on academic or progress probation for two consecutive primary terms.
- One Hundred (100)-Unit Limit.
 - Continuing students who have earned one hundred (100) or more degree-applicable semester units
 - Exemptions from 100-unit limit: Units for non-degree applicable English as a Second Language or basic skills courses are exempted from the 100-unit limit.
- Reinstated from Dismissal
- Students who have been reinstated following dismissal. Students would have been dismissed for the following:
 - Academic dismissal, progress dismissal, or both academic and progress dismissal.
 - Dismissal does not include students who have been expelled or suspended for disciplinary reasons.

Continuous Enrollment for Priority Registration

Continuous enrollment at Compton College constitutes enrollment in the most recent previous semester per academic year, excluding summer or winter sessions. A student must remain enrolled in at least one course for sufficient time to receive a grade of "W" or a letter grade.

Registration Time Allowance

1. Scheduled Appointment Time
2. All students may register on or after their scheduled registration appointment time, but not before.
3. Failure of the Student to Meet Deadlines or Follow Policy and Procedure

All students must register by the published deadlines and in accordance with the policies and procedures of the District. If a student fails to meet these deadlines or to follow the District's policies and/or procedures, the student will not be allowed to register for courses. A student who attends and participates in a course without proper registration will not receive credit or a grade for that course, and backdating of registration will not be considered by the District unless the student can prove that he/she properly registered in a timely manner and it was a College error that caused the registration to fail.

A hold against a student (dean, fee, dismissal, etc.), a failure by the student to apply for admissions for the term in question and by the application deadline, a failure by the student to meet prerequisites or co-requisites, an unapproved course overload, a K-12 form or process not properly executed, an admissions hold (residency, AB 540, missing data, etc.) not resolved by the student in the manner and timeframe proscribed by the District, shall not be considered to be College error. A student will not be allowed to enroll in a class if there is any time overlap with another class.

A student may not be allowed to enroll in a class if the enrollment violates any of the repeat rules as set forth in Title 5 or the Compton College policy and procedure on repeats. Attending and participating in a course without registration, does not constitute college error.

For the complete Compton College Board Policy and Procedure for Priority Registration, please see and Administrative Procedure 5055.

Unit Limitations

The student's program of studies will vary according to individual need and objectives. The maximum full-time student program for a semester is 18 units without a physical education class and 19 units with a physical education class. The maximum program of study for a six-week summer session is eight units. The maximum program for an eight-week summer session is nine units if one unit is physical education. For the winter term, the maximum

program of study is seven units. A student wishing to take more than the maximum units may file an overload petition through the Admissions & Records Office. Students must have completed at least 15 transferable units in one semester at Compton College with a 2.75 grade-point average and an overall grade-point average of 2.5 or higher to be eligible for an overload.

In addition to scheduled class hours, students should include in their weekly schedule the time necessary to study and prepare for classes. Each student is expected to spend two hours per week in study and preparation for each class hour for lecture courses. In the Course Catalog, the minimum number of outside hours is noted for each class.

Students who work in business or industry should reduce their total study programs in proportion to the demands of their employment and personal activities. If employment requires 40 hours or more per week, students would limit their study program to seven units or less each semester.

Full-Time Student

Definition of a full-time student is one who is enrolled in 12 units or more during the regular semester or four units during the summer term.

Veteran and War Orphan benefits under the GI Bill are based on 12 units for full subsistence; nine units for three-fourth subsistence; six units for half subsistence.

Enrollment verification for automobile insurance and other insurance benefits, requires that a student must be enrolled in 12 units.

Athletic eligibility is based on 12 units, nine of which must be academic units.

Student government eligibility is nine units (Board Policy 5410).

Attendance

Attendance at First Class

Students who enroll in a class but do not attend the first scheduled class meeting, may be dropped from the roster. Additionally, their place in the class will be given to students on the waiting list. If illness or emergency prevents a student from attending the first class session, the student must contact the instructor.

A student who registers for a class and never attends is still responsible for dropping the class. Failure to properly drop a class by the appropriate

deadline may result in a "W" and may hold the student responsible for any and all fees associated with the class. The burden of proof is on the student.

Attendance without Official Enrollment

Students will not be permitted to attend classes in which they are not officially registered. Exceptions may be allowed by the instructor for bona fide visitors. Students who attend a class without proper enrollment (the student did not properly register or add the class) by the published deadline will not be permitted to "late add" the class except for documented extenuating and mitigating circumstances. Students who do not properly register or add a class will receive neither unit or grade credit for that class.

Attendance during Semester

Students are expected to attend their classes regularly. Students who miss the first class meeting or who are not in regular attendance during the add period for the class may be dropped by the instructor. Students whose absences from a class exceed 10 percent of the scheduled class meeting time may be dropped by the instructor. However, students are responsible for dropping a class within the deadlines published in the class schedule. Students who stop attending but do not drop may receive a failing grade. Students may view their registration status on **MyCompton**.

Attendance by Nonregistered Students

Only those students registered in a class may attend the class. Students who have completed the proper auditing procedure are allowed to attend without receiving grades or unit credit. No others may attend, including children of students.

Add or Drop Classes

To Add a Class

Students can add classes online without an Add Code until the day before the first class meeting. After the first class meeting, an Add Authorization Code is needed to register for the class. Classes are added through the MyCompton student portal:

1. Go to www.compton.edu, click on **MyCompton** (top right corner)
2. Log in with username and password
3. Click on the STUDENT SERVICES button
4. Select the REGISTRATION AND PLANNING link on the left-hand side
5. Click REGISTER FOR CLASSES link
6. Search for classes by a variety of option (Subject, CRN, Day, Time, etc.)
7. Select a class to add to your schedule by

- clicking the ADD button
8. Click the SUBMIT button on the bottom right
 9. to add the class to your schedule
 10. When adding the class with an Add Authorization Code, you will be prompted to enter the Add Code. Before adding, drop the classes you are no longer taking. If you have a time conflict (e.g., a class you are enrolled in overlaps by one minute or more with a course you are trying to add), you will not be able to add the new class.

An Add Code only works for one student. No classes may be added after the deadline. Please see the Academic Calendar for dates and deadlines.

To Drop a Class

1. Log in with username and password
2. Click on the STUDENT SERVICES button
3. Click DRP CLASS or REMOVE SECTION FROM WAITLIST
4. Check the box of the class you wish to drop
5. Click DROP from the drop-down menu
6. Click SUBMIT (Note: once you click submit, there is no going back. If you drop a class in error, you will need to contact the instructor as soon as possible to request a reinstatement.)
7. Once you successfully drop the class, review your class schedule (scroll to the bottom of the screen to view the updated schedule) to make sure the class was dropped. For more information and to view Drop Policies, please visit www.compton.edu/student_services/admissionandrecords/drop-a-class.

Waitlist

Students on a waitlist for a class must check their Compton College email daily to find out if a space becomes available in the class. If a space becomes available, an email is sent to the student with a specified time to register for the class. Students will not be automatically added to the class. The waitlist time periods are listed below:

48 hours to add the class for Winter and Summer terms; and 72 hours for Spring and Fall semesters

Log into the **MyCompton** portal and select "Register" to add the class to your schedule. If you do not register for the class within the allotted time, you will be removed from the waitlist. Waitlisted students admitted to the class must pay those class fees by the posted deadline.

Filled and Canceled Classes

Because many classes fill quickly in the registration process, students should enroll for classes as

soon as their appointment time allows. All classes scheduled at Compton College are subject to cancellation.

Although the College makes every effort to run each class that is scheduled, occasionally a class must be canceled due to insufficient enrollment or to the unavailability of an instructor.

Withdrawal from Class

Official withdrawal from class must be processed through the **MyCompton** student portal. Failure to complete this process may result in the assignment of a letter grade of A through F.

Auditing of Courses

Education Code Section 76370 permits the Board of Trustees to authorize a person to audit a community college course.

A student may audit selected Compton College courses with the following provisions:

1. Priority in class enrollment shall be given to students desiring to take the course for credit toward a degree or certificate. Auditing a course is on a space-available basis.
2. No student auditing a course shall be permitted to change their enrollment in that course to receive credit for the course. Students will not be permitted to earn credit by examination for audited courses.
3. A student wishing to audit a course must first obtain a petition to audit form in the Admissions Office. Registration for audit will occur no sooner than the second week of classes.
4. The audit of a class is subject to the approval of the instructor of the course and the dean of the academic division. Neither the instructor nor the dean is obligated to approve an audit.
6. Fee for auditing a class shall be \$15 per unit per semester (subject to change). Students enrolled in classes to receive credit for 10 or more semester credit units shall not be charged a fee to audit three or fewer semester units per semester. Fees are to be paid before attending the class and are non-refundable.

Children in Classrooms

Children are not permitted in classrooms while class is in session. Attendance in class is limited to officially enrolled students and authorized visitors and guests only. Students shall not allow children to be left unattended or unsupervised anywhere on campus. It is the responsibility of each faculty member to inform students of this requirement.

Academic Credit Policies

Acceptance of Credit

Credits earned at other colleges that are accredited by one of the regional accrediting agencies are customarily accepted for transfer to Compton College on receipt of an official transcript of record. Students submitting transcripts from other colleges for the purpose of receiving a degree or certificate from Compton College must submit an official college-to-college transcript. Transcripts delivered by students will not be considered for degree or certificate purposes.

Appropriate college-level United States Armed Forces courses also may be accepted for credit.

Credit for Prior Learning

Board Policy 4235 – Credit for Prior Learning

Compton Community College District shall adopt and publish regulations allowing students to receive credit for prior learning. Credit for prior learning may be earned for eligible courses approved by the District for students who satisfactorily pass an authorized assessment. Authorized assessments may include the evaluation of approved external standardized examinations, Joint Services Transcripts, student-created portfolios, industry-recognized credential documentation, and credit by examination.

Administrative Regulation 4235 – Credit for Prior Learning

Students may demonstrate proficiency in a course eligible for Credit for Prior Learning and received credit through one of the following approved alternative methods for awarding credit listed below:

- Achievement of a satisfactory score on an Advanced Placement (AP) examination
- Achievement of a satisfactory score on a high-level International Baccalaureate (IB) examination
- Achievement of a satisfactory score on the College Level Examination Program (CLEP)
- Evaluation of Joint Services Transcripts (JST)
- Evaluation of industry-recognized credential documentation
- Evaluation of student-centered portfolios
- Satisfactory completion on an institutional examination, known as Credit by Examination, created, and administered by the college faculty in lieu of completion of an active course as listed in the current College Catalog.

Credit may be awarded for prior learning only for a specific course by demonstrating mastery of the

course content, objectives, and outcomes as for classes listed in the college catalog and on Course Outlines of Record.

Determination of Eligibility for Credit for Prior Learning

- The student must be currently registered in the College.
- The student must have a Comprehensive Educational Plan on file in the College's designated electronic system.
- The course is listed in the current College Catalog.
- For Credit by Examination the following additional criteria are used:
 1. The student must have completed 12 semester units at Compton College with a minimum grade point average of 2.00 and be in good standing at the time the credit is granted. However, students enrolling in or enrolled at Compton College may be allowed to take the examination at any time, even though credit will not be granted until 12 semester units have been completed.
 2. The student shall only be allowed to petition to receive credit by examination one time per course and may not petition for credit examination for a course in which they are currently or have previously enrolled and received a grade, unless statutorily required to renew a license or certification required by State or Federal governments.
 3. The student may not petition for credit by examination for a course in which they have been enrolled after census, except under special circumstances as determined by the faculty who normally teach the course, in consultation with the academic dean.
 4. The student must petition for credit by examination no later than the middle of the term except under special circumstances as determined by faculty who normally teach the course, in consultation with the academic dean.
 5. Only those courses listed in the current catalog and approved for credit by examination by the Curriculum Committee at the time of the petition shall be available to students for such credit.
 6. Credit by exam is not available for any course that is lower in a sequence than a course for which a grade has already been earned, except under special circumstances determined by the faculty who normally teach the course, in consultation with the academic dean.

7. The maximum amount of credit permissible for Credit by Examination shall not exceed 15 semester units, including not more than 9 semester units required for the major subject field.

The Admissions and Records Office will verify the student has met eligibility requirements for Credit for Prior Learning. If a student does not meet one or more of the eligibility requirements, the Admissions and Records Office will notify the student which requirement(s) is not met and, if appropriate, refer the student to the Counseling Department.

Credits earned through Credit for Prior Learning are not applicable to meeting of such unit load requirements as Selective Service deferment, Veterans, or Social Security benefits and shall not be considered in verifying eligibility for athletics or student government. Credit acquired shall not be counted in determining the 12 semester units of credit in residence required for an associate degree.

Prior Learning Assessment Grading Policy

- Grading shall be according to the regular grading system in accordance with Administrative Regulation 4230: Grading and Academic Record Symbols.
- Students shall be offered a "Pass/No Pass" grading option if that option is ordinarily available for the course.
- Students shall be given the opportunity to accept, decline, or appeal the grade assigned by the faculty in cases of Credit by Examination in accordance with AR 4231-Grade Changes.

Transcript Notations for Credit for Prior Learning

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

Advanced Placement

See Administrative Regulation 4236-Advanced Placement Credit.

International Baccalaureate

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

- The student shall complete the Credit for Prior Learning Petition available in the Admissions and Records Office.
- The Admissions and Records Office will notify the Counseling Department that a student has petitioned for Credit for Prior Learning and ask

the Counseling Department for verification that the student has an Educational Plan on file.

- Official IB transcripts must be on file in the Admissions and Records Office.
- The student achieved a minimum acceptable score on the IB examination as listed in the College Catalog.

College Level Examination Program

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

- The student shall complete the Credit for Prior Learning Petition available in the Admissions and Records Office.
- The Admissions and Records Office will notify the Counseling Department that a student has petitioned for Credit for Prior Learning and ask the Counseling Department for verification that the student has an Educational Plan on file.
- Official CLEP transcripts must be on file with the Admissions and Records Office.
- The student achieved a minimum acceptable score on the CLEP examination as listed in the College Catalog.

Credit for Military Service/Training

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

- The student shall complete the Request for Military Credit available in the Admissions and Records Office.
- The Admissions and Records Office will notify the Counseling Department that a student has petitioned for Credit for Prior Learning and ask the Counseling Department for verification that the student has an Educational Plan on file.
- Official transcripts must be on file in the Admissions and Records Office. These may include Joint Services Transcript (JST), Sailor/Marine American Council on Education Registry Transcript (SMART), Army and American Council on Education Registry Transcript Service (AARTS), Community College of the Air Force (CCAF), Coast Guard Institute (CGI), Defense Language Institute Foreign Language Transcripts (DLIFLC), Defense Manpower Data Center (DMDC), or verified copies of DD214 or DD295 military records.
- Credit course equivalency shall be determined by the faculty of the appropriate discipline.

Compton College has already determined the following Credit for Prior Learning as follows:

- 90 days to 1 year: Contemporary Health 101 (3 units); Elective Credit (2 units)
- 1-2 years: Contemporary Health 101 (3 units); Elective Credit (4 units)
- 2 years or more: Contemporary Health 101 (3 units); Elective Credit (6 units)
- Note: Veterans enrolling in Contemporary Health 101 will not be paid educational benefits for this course.

Industry Recognized Credentials

Students interested in Credit for Prior Learning using industry-recognized credentials shall receive credit as recommended by the appropriate division chair or discipline faculty designee under the following circumstances:

- The student shall complete the Credit for Prior Learning Petition available from the Admissions and Records Office.
- The student shall attach all industry-recognized credentials to the petition.
- The Admissions and Records Office will notify the Counseling Department that a student has petitioned for Credit for Prior Learning and ask the Counseling Department for verification that the student has an Educational Plan on file.
- If an industry-recognized credential has already been evaluated and approved by the appropriate division chair or discipline faculty designee, the Admissions and Records Office will award credit based on the prior faculty recommendation.
- If an industry-recognized credential has not yet been evaluated and approved, the following process shall be followed:
 - The Admissions and Records Office shall route the petition and accompanying industry-recognized credentials to the division chair or discipline faculty designee
 - The appropriate faculty review the credentials. If the division chair or discipline faculty designee determines the industry certification adequately measures mastery of the course content set forth in the Course Outline of Record, the appropriate faculty shall sign the petition with the recorded grade, attach the industry-recognized credential(s), and forward the completed petition and supporting documents to the area dean for review.
 - The dean will forward the petition and supporting documentation to the Admissions and Records Office to keep the petition on file and notate the student transcript.

Student-Created Portfolio Assessment

Students interested in Credit for Prior Learning using student-created portfolios shall receive credit as recommended by the appropriate division chair or discipline faculty designee under the following circumstances:

- A department-approved portfolio assessment rubric for the course is on file in the Office of Academic Affairs and the rubric aligns the course objectives and outcomes set forth in the Course Outline of Record.
- The student shall complete the Credit for Prior Learning Petition available in the Admissions and Records Office.
- The Admissions and Records Office will notify the Counseling Department that a student has petitioned for Credit for Prior Learning and ask the Counseling Department for verification that the student has an Educational Plan on file.
- Upon verification from the Admissions and Records Office that a rubric is on file and the petition is complete, the Admissions and Records Office will forward the petition to the division chair or discipline faculty designee.
- The chair will notify the student to submit all portfolio materials to them or the discipline faculty designee.
 - If the division chair or discipline faculty designee determines the portfolio adequately measures mastery of the course content set forth in the Course Outline of Record using the rubric on file, the appropriate faculty shall sign the petition with the recorded grade and forward the completed petition and supporting documents to the area dean for review.
 - The dean will forward the petition to the Admissions and Records Office to keep the petition on file and notate the student transcript.
 - The dean will contact the student to pick up the portfolio materials.

Credit by Examination

Faculty who normally teach the course shall determine how courses are selected and those courses eligible for credit by examination. Courses eligible for credit by examination shall be approved by the Curriculum Committee and are listed below:

Business and Industrial Studies

Air Conditioning and Refrigeration 121, 123, 125, 127, 130, 136, 160
Automotive Collision Repair/Painting 101, 102, 103, 104, 106, 120, 122, 124, 126, 130, 132, 134, 140, 142, 144, 146, 150, 152, 153, 154

Automotive Technology 101, 114, 116, 121, 123, 124, 125, 143, 181
Computer Information Systems 113
Engineering Technology 110, 112, 114, 115, 116, 118
Machine Tool Technology 101, 110, 120, 140, 146, 160
Welding 105, 111, 113, 140, 142

Fine Arts, Communications and Humanities

Japanese 101, 102
Spanish 101, 102, 103, 104

Health and Public Services

Administration of Justice 100, 103, 107, 109, 111, 115, 126, 130, 131, 170
Contemporary Health 101
Fire and Emergency Technology 101, 102, 103, 105, 109, 110, 111
First Aid 101
Physical Education 260

Students wishing to take a course through Credit by Examination are encouraged to informally discuss the matter with the division chair or discipline faculty designed prior to initiating the formal process.

Procedure for Earning Credit by Examination

Students shall complete a Petition for Credit by Examination and submit it to the Admissions and Records Office along with satisfactory evidence of knowledge, skills, or experience. Students shall be provided with a copy of the pertinent Course Outline of Record to aid them in making the decision of whether or not to petition and attempt credit by examination.

The Admissions and Records Office will determine if the eligibility requirements are met. The Admissions and Records Office will notify the Counseling Department that a student has petitioned for Credit for Prior Learning and ask the Counseling Department for verification that the student has an Educational Plan on file. Additionally, the Admissions and Records Office shall forward petitions, with supporting documentation, to the respective division chair of the academic division concerned.

Once all eligibility requirements are met, the nature and content of the examination shall be determined solely by faculty in the discipline who normally teach the course for which credit is to be granted. The faculty shall determine that the examination adequately measures mastery of the course content, objectives, and outcomes as set forth in the Course Outline of Record.

Subject matter mastery and/or skills proficiency, as stated in the objectives and outcomes of the Course Outline of Record, may be established by

written examination, portfolio, skills demonstration, or combination thereof. The faculty may accept an examination conducted at a location other than the community college. The examination may be offered in more than one session and/or format. The examination must measure proficiency at the level expected of students who have successfully completed the course at Compton College. The academic division chair shall notify the student of the examination arrangements.

Fee Requirements

A processing fee will be charged to petition for credit by examination. The amount of the fee will be established by the Admissions Office. The amount of the fee cannot exceed the enrollment fee associated with enrollment in the course for which the student seeks credit by examination. Fees are not refundable. Students involved in high school or occupational center articulated programs will be exempted from paying this fee.

Courses Offered on a Pass/No Pass Option Basis

AJ 149
 AS 1*
 BTEC 200, 210, 220
 BUS 109, 114, 119, 120, 124, 125
 CIS 124, 131, 170, 174, 192, 194, 196
 DANC 110, 120A, 120B, 130A, 130B, 140, 162, 164, 165, 168, 170, 220A, 220B, 230A, 230B, 240, 250, 262
 EDEV 29*, 33*, 35*, 36*, 37*, 38*, 41*, 140
 ENGL RWA*, 60*, 61*, 62*, 63*, 64*, 65*, 66*, 67*, 101S, 123, 127, 128, 235
 FILM 234, 236
 LIBR 101, 110
 MATH 7C*, 8C*, 13C*, 15C*, 17C*, 18C*, 37*
 MTT 101, 103, 105, 107, 160, 201, 203
 MUSI 152, 260, 261, 262, 264, 265, 266, 267, 268
 SLAN 101*
 TUTR 200*
 WELD 108, 109, 111, 113, 123, 125, 128, 142, 144
 *Courses offered on a Pass/No Pass only basis.

Advanced Placement (AP) Credit Exam

For further information about and petitions for advanced placement tests, contact an evaluations specialist in the Admissions and Records Office.

Compton College Advanced Placement (AP) Exam Credit

Compton College will grant degree-applicable credit for College Board Advanced Placement (AP) examinations for scores of 3, 4 or 5. AP exams that do not specify a general education area will receive elective credit. Course credit and units granted at Compton College may differ from course credit and units granted by a transfer institution. Students who plan to transfer to a four-year university must check the institution's AP credit policies in their catalog or the institution's website or consult a Compton College academic counselor for unit and credit information for general education and major preparation. Course credit and units granted at Compton College may differ from course and unit credit granted by the transfer institution.

AP Exam	Compton Associate Degree		CSU	UC
Type of Exam	Compton College GE Area	Compton College Course Equivalent for Major Requirements	CSU GE	IGETC
Art History	Humanities 3 semester units	Art 102, 103 3 semester units	Area C1 or C2 3 semester units	Area 3A or 3B
Biology	Natural Sciences 4 semester units	Biology 100 4 semester units	Area B2 and B3 4 semester units	Area 5B (with lab)
Calculus AB	Language and Rationality 3 semester units	Math 190 - Score of 4 or 5 5 units Score of 3 meets AA/AS math competency requirement	Area B4 3 semester units	Area 2A
Calculus BC	Language and Rationality 3 semester units	Math 190 Score of 3 5 semester units 5 And Math 191 Score of 4 or 109 semester units	Area B4 3 semester units	Area 2A
Calculus BC with AB subscore			Area B4 3 semester units	
Chemistry	Natural Sciences 4 semester units	Chemistry 150 5 semester units The student must have a score of 4 or 5 and provide a laboratory portfolio to the Dean for evaluation before credit is earned.	Areas B1 and B3 4 semester units	Area 5A (with lab)
Chinese Language & Culture	Humanities 3 semester units		Area C2 3 semester units	Area 3B and 6A
Computer Science A			N/A	N/A
Economics - Macroeconomics	Social/Behavioral Sciences 3 semester units	Economics 101 3 semester units	Area D2 3 semester units	Area 4

Economics - Microeconomics	Social/Behavioral Sciences 3 semester units	Economics 102 3 semester units	Area D2 3 semester units	Area 4
English - Language & Composition	Language and Rationality 3 semester units	English 101 Score of 3 or 4 4 semester units English 101 and 102 Score of 5 7 semester units	Area A2 3 semester units	Area 1A
English - Literature & Composition	Language and Rationality or Humanities 3 semester units	English 101 4 semester units or English 102 3 semester units Score of 3 or 4 English 101 and 102 Score of 5 7 semester units	Area A2 and C2 6 semester units	Area 1A or 3B
Environmental Science	Natural Sciences 3 semester units	Geography 101 or Geology 101 3 semester units	Area B2 and B3 (if taken prior to Fall 2009) or Area B1 and B3	Area 5A (with lab)
French Language & Culture			Area C2	Area 3B and 6A
French Literature	Humanities 3 semester units		Area C2	Area 3B and 6A
German Language and Culture	Humanities 3 semester units		Area C2	Area 3B and 6A
Government & Politics - Comparative	Humanities 3 semester units	Political Science 102 3 semester units	Area D 3 semester units	Area 4
Government and Politics -U.S.	Social/Behavioral Sciences 3 semester units Social/Behavioral Sciences 3 semester units	Political Science 101 3 semester units	Area D8 and U.S. 2* 3 semester units *Does not fulfill AHI California Government requirement	Area 4
History - European	Social/Behavioral Sciences or Humanities 3 semester units	History 141 3 semester units	Area C2 or D 3 semester units	Area 3B or 4
History - U.S.	Social/Behavioral Sciences or Humanities 3 semester units	History 101 and 102 6 semester units	Area C2 or D 3 semester units	Area 3B or 4
History - World	Social/Behavioral Sciences or Humanities 3 semester units	History 140 3 semester units	Area C2 or D6 3 semester units	Area 3B or 4
Human Geography	Social/Behavioral Sciences 3 semester units		Area D5 3 semester units	Area 4E
Italian Language & Culture	Humanities 3 semester units		Area C2 3 semester units	Area 3B and 6A 3 semester units

Japanese Language & Culture	Humanities 3 semester units		Area C2 3 semester units	Area 3B and 6A
Latin - Vergil	Humanities 3 semester units		Area C2 3 semester units	Area 3B and 6A
Latin - Literature	Humanities 3 semester units		Area C2 3 semester units (if taken prior to fall 2009)	Area 3B and 6A
Music Theory		No course Equivalency established		N/A
Physics B	Natural Sciences 4 semester units	Physics 120 Score of 5 3 semester units	Area B1 and B3 4 semester units	Area 5A (with lab)
Physics C - Electricity/Mechanics	Natural Sciences 4 semester units	Physics 150 Score of 5 4 semester units	Area B1 and B3 4 semester units	Area 5A (with lab)
Physics C - Electricity/Magnetism	Natural Sciences 3 semester units	Physics 150 Score of 5 4 semester units	Area B1 and B3 4 semester units	Area 5A (with lab)
Psychology	Social/Behavioral Sciences 3 semester units	Psychology 101 3 semester units	Area D9 3 semester units	Area 4
Spanish Language	Humanities 3 semester units	Spanish 101 Score of 3 5 semester units Spanish 101 and 102 Score of 4 or 5 10 semester units	Area C2 3 semester units	Area 3B and 6A
Spanish Literature	Humanities 3 semester units	Spanish 102 or 103 Score of 3 5 semester units Spanish 103 and 104 Score of 4 or 5 10 semester units	Area C2 3 semester units	Area 3B and 6A
Statistics	Language and Rationality 3 semester units	Math 150 Score of 4 or 5 4 semester units Score of 3 meets AA/AS math competency requirement	Area B4 3 semester units	Area 2

AP credit granted can be used to meet IGETC, CSU, A.A. and A.S. general education requirements and/or associate degree major requirements.

A maximum of 15 units of AP credit can be applied to the associate degree. The number of units earned through AP exams will be noted on the student's transcript.

A.A./A.S.: Students with a score of 3 or better may use the AP exam for general education credit in the appropriate area; however, credit for a specific course to meet major requirements for the A.A. or A.S. degree will need to follow the course equivalent outlined by the academic department.

A student who receives AP credit and then takes the equivalent Compton College course will have unit credit for supplantation deducted prior to be awarded the A.A./A.S. degree.

CSU GE: 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 area if the examination is included as part of a full or subject-area certification. Please note that individual CSU campuses may choose to grant more units than those specified toward completion of General Education Breadth and major requirements.

IGETC: AP exams must be used in area indicated regardless of where the certifying CCC's discipline is located.

TRANSFER: Students may use AP exams for transfer units and major requirements; however, the student must consult with a counselor and the four-year institution's college catalog for AP credit policies. Course credit varies by campus.

College-Level Examination Program (CLEP) Exams

College Level Examination Program (CLEP) credit will be accepted when it is included on the American Council on Education (ACE) transcript.

The College Board's College-Level Examination Program (CLEP) is a rigorous program allows students from a wide range of ages and backgrounds to demonstrate their mastery of introductory college-level material and earn college credit.

As part of Credit for Prior Learning (BP/AR 4235), the CLEP Exams may be used as a means for obtaining credit. To that end, CLEP Exams may earn credit toward meeting General Education requirements. Students must receive a minimum score as noted in the chart below.

Students who take an Advanced Placement (AP) exam, an International Baccalaureate (IB) exam, or College-Level Examination (CLEP) exam in the same topic area will receive credit for only one exam. (For example, if a student takes both the AP exam in Biology and the CLEP Biology exam, they will only receive credit for one exam because the topics are duplicative). The College will award credit for the exam that most benefits the student.

CLEP Exam	ACE Recommended Score	Total Semester Units Awarded Toward Associate Degree	Semester Units Applied Toward Associate Degree GE Requirements	Associate Degree GE Area Fulfilled	CSU GE Breadth Applicability Source: CSU Systemwide Credit for External Examinations
American Government	50	3	3	Area 2	D8 3 semester units
American Literature	50	3	3	Area 3	C2 3 semester units
Analyzing and Interpreting Literature	50	3	3	Area 3	C2 3 semester units
Biology	50	6	3	Area 1	B2 3 semester units
Calculus	50	4	3	Area 4 AND Area 6	B4 3 semester units
Chemistry	50	6	3	Area 1	B1 3 semester units
College Algebra	50	3	3	Area 4 AND Area 6	B4 3 semester units
College Composition	50	6	N/A		
College Composition Modular	50	3	NA		
English Composition	50	6	3		
English Literature	50	3	3	Area 3	C2 3 semester units
Financial Accounting	50	3	NA		
French Language	50-58	6	3	Area 3	N/A C2 3 semester units
Freshmen College Composition	59 or above	9	3	Area 3	

1. The scores and credit hours that appear in this table are the credit-granting scores and semester hours recommended by the American Council on Education (ACE) Guidelines (<https://www.acenet.edu/National-Guide/Pages/Organization.aspx?oid=e9089b28-9016-e811-810f-5065f38bf0e1>). The scores listed above are equivalent to a grade of C in the corresponding course. Refer to Systemwide Credit for External Examinations 4/20/2020.

CLEP Exam	ACE Recommended Score	Total Semester Units Awarded Toward Associate Degree	Semester Units Applied Toward Associate Degree GE Requirements	Associate Degree GE Area Fulfilled	CSU GE Breadth Applicability Source: CSU Systemwide Credit for External Examinations
German Language	50	6	3	Area 3	N/A C2 3 semester units
History of the United States I	50-59	6	3	Area 3	D6 & US1 3 semester units
History of the United States II	60 or above	9	3	Area 3	D6 & US1 3 semester units
Human Growth and Development	50	3	3	Area 2	E 3 semester units
Humanities	50	3	3	Area 2	
Information Systems	50	3	3	Area 2	C2 3 semester units
Introduction to Educational Psychology	50	3	3		
Introductory Business Law	50	3	NA		
Introductory Psychology	50	3	NA		D9 3 semester units
Introductory Sociology	50	3	3	Area 2	D0 3 semester units
Natural Sciences	50	6	3	Area 1	B1 or B2 3 semester units
Precalculus	50	3	3	Area 4 AND Area 6	B4 3 semester units
Principles of Accounting	50	6			
Principles of Macroeconomics	50	3	3	Area 2	D2 3 semester units
Principles of Management	50	3	NA		
Principles of Marketing	50	3	NA		
Principles of Microeconomics	50	3	3	Area 2	D2 3 semester units
Social Sciences and History	50	6	NA		
Spanish Language	50-62 63 or above	6 9	3 3	Area 3 Area 3	N/A C2 3 semester units
Spanish with Writing	50-64 65 or above	6 12	3 3	Area 3 Area 3	N/A C2 3 semester units
Trigonometry	50	3	3	Area 4 AND Area 6	B4 3 semester units
Western Civilization I: Ancient Near East to 1648	50	3	3	Area 2 OR Area 3	C2 or D6 3 semester units
Western Civilization II: 1648 to Present	50	3	3	Area 2	D6 3 semester units

International Baccalaureate (IB) Exams

The International Baccalaureate® (IB) is a challenging two-year curriculum, primarily aimed at students aged 16 to 19. The IB Diploma Program is a comprehensive and challenging pre-university course of study, leading to examinations that demand the best from motivated students and teachers. It is widely recognized for its high academic standards.

- The two-year curriculum is rigorous and intellectually coherent, encouraging critical thinking through the study of a wide range of subjects in the traditional academic disciplines while encouraging an international perspective.
- Beyond completing college-level courses and examinations, Diploma Program students are also required to engage in community service, individual research, and an inquiry into the nature of knowledge.
- The two-year course of study leads to final examinations in six subject areas.

The IB governance is composed of:

- An IB Board of Governors
- Six committees (access and advancement, audit, compensation, education, finance, and governance)

As part of Credit for Prior Learning (BP/AR 4235), the IB Exams may be used as a means for obtaining credit. To that end, IB Exams may earn credit toward meeting General Education requirements. Students must receive a minimum score of 5 on IB exams as noted in the chart below. Credit will only be given for Higher Level (HL) exams. No credit is given for Standard Level (SL) exams.

Students who take an Advanced Placement (AP) exam, an International Baccalaureate (IB) exam, or College-Level Examination (CLEP) exam in the same topic area will receive credit for only one exam. (For example, if a student takes both the AP exam in Biology and the IB Biology HL exam, they will only receive credit for one exam because the topics are duplicative). The College will award credit for the exam that most benefits the student.

IB Subject Area	Minimum Passing Score AA/AS CSU GE IGETC	Total Semester Units Awarded Toward Associate Degree	Semester Units Applied Toward Associate Degree GE Requirements	Associate Degree GE Area Fulfilled	IGETC Applicability Source: IGETC Standards Version 2.1 June 2020	CSU GE Breadth Applicability Source: CSU Systemwide Credit for External Examinations 4/20/2020
IB Biology HL	5	6	3	Area 1: Natural Science	5B 3 semester units	B2 3 semester units
IB Chemistry HL	5	6	3	Area 1: Natural Science	5A 3 semester units	B1 3 semester units
IB Economics HL	5	6	3	Area 2: Social and Behavioral Sciences	4 3 semester units	D2 3 semester units
IB Geography HL	5	6	3	Area 2: Social and Behavioral Sciences	4 3 semester units	D5 3 semester units
IB History (any region) HL	5	6	3	Area 2: Social and Behavioral Sciences	3B or 4* 3 semester units	C2 or D6 3 semester units
IB Language A: Literature HL (any language, except English)	5	6	3	OR Area 3: Humanities	3B and 6A 3 semester units	
IB Language A: Language and Literature HL (any language, except English)	5	6	3	Area 3: Humanities	3B and 6A 3 semester units	

IB Subject Area	Minimum Passing Score AA/AS CSU GE IGETC	Total Semester Units Awarded Toward Associate Degree	Semester Units Applied Toward Associate Degree GE Requirements	Associate Degree GE Area Fulfilled	IGETC Applicability Source: IGETC Standards Version 2.1 June 2020	CSU GE Breadth Applicability Source: CSU Systemwide Credit for External Examinations 4/20/2020
IB Language A: Literature (any language) HL	5	6	3	Area 3: Humanities	3B 3 semester units	C2 3 semester units
IB Language A: Language and Literature (any language) HL	5	6	3	Area 3: Humanities	3B 3 semester units	C2 3 semester units
IB Language B (any language) HL	5	6	3	Area 3: Humanities	3B 3 semester units	
IB Mathematics HL	5	6	3	Area 4: Language & Rationality: AND Area 6. Mathematics Competency	2A 3 semester units	B4 3 semester units
IB Physics HL	5	6	3	Area 1: Natural Science	5A 3 semester units	B1 3 semester units
IB Psychology HL	5	6	3	Area 2: Social and Behavioral Sciences	4 3 semester units	D9 3 semester units
IB Theater HL	5	6	3	Area 1: Natural Science	3A 3 semester units	C1 3 semester units

*IB exam may be used in either area.



Academic Regulations

Catalog Rights

Board Policy 4100.1

The Compton College Catalog specifies the general education, major, and unit requirements which the student must satisfy to qualify for an Associate Degree, a Certificate of Achievement or a Certificate of Accomplishment. Students who have maintained continuous enrollment may choose to graduate under the catalog requirements in effect either 1) at the time they began attending Compton College continuously or 2) at the time they graduate from Compton College. For degree and certificate purposes, continuous enrollment is defined as enrolling at Compton College at least one semester, (excluding summer and winter terms) each academic year and receiving a letter grade, "W" (Withdrawal), CR/NC (Credit/No Credit, or Pass/No Pass on the transcript.

Double Major

Students may receive a double major upon completion of the major requirements for the second major.

Second Degree

Students may receive both an associate of arts and an associate of science degree upon the completion of the specific general education and major requirements for each degree as stated in the catalog. Students qualifying for more than one AA or AS degree will have all degrees posted on their transcripts; however, they will only receive one diploma for an achieved AA degree and one diploma for an achieved AS degree. (References: Sections 55002(a) and 55060 et seq.; Board Policies 4100.1.

General Information

Some courses listed in the associate degree requirements may not transfer to a four-year college or university. Please refer to the course notations listed in the curriculum section of this catalog. All degrees require a total of 60 units with no fewer than 18 units in the major and appropriate general education courses as indicated on the associate of arts or associate of science degree patterns that follow.

Grading and Academic Record Symbols

Administrative Regulation 4230

Courses shall be graded using the grading system established by Title 5 section 55023.

Semester Unit of Credit

College work at Compton College is measured in terms of semester units. One unit of credit is awarded for approximately 54 hours of lecture, study or laboratory work. The amount of credit awarded shall be adjusted in proportion to the number of hours of lecture, study or laboratory work.

Grade Records

Instructors will maintain records required by the District and report grades in a timely manner based on District procedures. Instructors shall maintain a careful record of graded assignments and, to support the grade assigned for the course, the grade roster should have a minimum of three grades plus the final examination grade for each student.

Grades, Grade Points, and Grade Point Average

Grade points are numerical values which indicate the scholarship level of letter grades. The grade point average equals the total grade points divided by the total units attempted for credit courses in which letter grades (evaluative symbols) have been assigned. Grade points are assigned according to the scale in the chart below.

Evaluative Symbols

A	Excellent	4 points for each unit
B	Good	3 points for each unit
C	Satisfactory	2 points for each unit
D	Passing, Less than Satisfactory	1 point for each unit
F	Failing	0 points for each unit
P	Pass, at least satisfactory (formerly CR for Credit)	See Note 1
SP	Satisfactory Progress towards completion of the course (Used for noncredit courses only and is not supplanted by any other symbol.)	See Note 1
NP	No Pass, less than satisfactory (formerly NC for No Credit)	See Note 1

Non-Evaluative Symbols

I	Incomplete	See Note 2
IP	In Progress	See Note 3
W	Withdrawal	See Note 4
MW	Military Withdrawal	See Note 5
EW	Excused Withdrawal	See Note 6
RD	Report Delayed	See Note 7

Notes:**1. P/NP – Pass/No Pass (formerly Cr/NC for Credit/No Credit)**

A certain number of credit courses are offered only on a P/NP basis while some others are offered on a P/NP or letter grade option depending on which the student selects by the fourth week of a 16-week class or 25% of a class. A student earning a P grade will receive unit credit toward graduation if the course is degree applicable. Noncredit courses may also be offered P/SP/NP. Unit credit earned in P/NP courses will not be considered when calculating grade point average. Designation of P/NP or option P/NP grading is included in the course description. All grades in credit courses except W and P/NP will be considered in determining the grade point average. While NP and W grades are not used in grade point determination, a student with an excessive number of withdrawals or NPs is subject to course repetition limitations and probation or dismissal regulations.

2. I - Incomplete

A student may receive a notation of "I" (Incomplete) and a default grade when a student did not complete his or her academic work for unforeseeable, emergency, and justifiable reasons. The Incomplete grade to be assigned by the instructor and designated on the student's transcript will be IB, IC, ID, IF, or INP. Collectively, these grades will be referred to as an "I" grade. The written record containing the conditions for removal of the "I" will be held for the student in the Admissions and Records Office through the last day of the next regular semester. If the student

does not complete the required work by the end of the next regular semester, the "I" will automatically be removed, and the default grade will be assigned. Any extension of the time for completion of the required work must be approved by the division dean. The student should petition for the extension of time on a form provided by the Admissions and Records Office.

3. IP - In Progress

The "IP" symbol shall be used only in those courses which extend beyond the normal end of an academic term. It indicates that work is "in progress," but that assignment of an evaluative symbol (grade) must await its completion. The "IP" symbol shall remain on the student's permanent record in order to satisfy enrollment documentation. The appropriate evaluative symbol (grade) and unit credit shall be assigned and appear on the student's permanent record for the term in which the course is completed. The "IP" shall not be used in calculating grade-point averages. If a student enrolled in an "open entry, open-exit" 3-unit course is assigned an "IP" at the end of an attendance period and does not reenroll in that course during the subsequent attendance period, the appropriate faculty will assign an evaluative symbol (grade A through F, P, or NP) to be recorded on the student's permanent record for the course.

4. W - Withdrawal

It is the responsibility of the student to officially drop a class by the published withdrawal date. If a student fails to drop by that date, the student may be subject to a substandard grade. A student may also be dropped by the instructor if the student has been absent for more than 10% of the scheduled class meetings. Withdrawal from classes is authorized through the 12th week of instruction in a 16-week class, or 75% of a class, whichever is less. If a student remains in class beyond the published withdrawal date an evaluative symbol (grade A through F, P, or NP) or an "I" (Incomplete) shall be assigned. A student who must withdraw after the published withdrawal date due to extenuating circumstances may petition for the assignment of a "W." Extenuating circumstances are verified cases of accidents, illnesses, or other circumstances beyond the control of the student.

No notation ("W" or other) shall be made on the academic record of the student who

withdraws prior to the close of the second week of a 16-week class, or 20% of a class, whichever is less. Any withdrawal occurring after the published No Notation date shall be recorded as a "W" on the student's record. The "W" shall not be used in calculating grade point averages, but excessive "Ws" shall be used as factors in course repetition and probation and dismissal.

5. **MW – Military Withdrawal**

Military Withdrawal occurs when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. Upon verification of such orders, the student may be assigned "MW." Military withdrawals shall not be counted in the limitation on excessive withdrawals nor in progress probation and dismissal calculations.

6. **EW – Excused Withdrawal**

An Excused Withdrawal (EW) occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting his or her ability to complete a course(s). Such events may include a job transfer outside the geographical region, an illness in the family where the student is the primary caregiver, a pandemic event (e.g. Novel Coronavirus) when the student who is incarcerated in a California state prison or county jail is released from custody or involuntarily transferred before the end of the term when the student is the subject of an immigration action, or other extenuating circumstances making course completion impractical. In the case of an incarcerated student, an excused withdrawal cannot be applied if the failure to complete the course(s) was the result of a student's behavioral violation or if the student requested and was granted a mid-semester transfer.

Upon verification of these conditions by the Director of Admissions and Records or their designee and consistent with the district's required documentation substantiating the condition, an excused withdrawal symbol may be assigned at any time after the period established by the governing board during which no notation is made for withdrawals. The withdrawal symbol so assigned shall be an "EW."

An Excused Withdrawal shall not be counted in progress probation and dismissal calculations and shall not be counted toward the permitted

number of withdrawals or counted as an enrollment attempt.

An Excused Withdrawal shall not be counted in the Satisfactory Academic Progress (SAP) calculation for Financial Aid purposes. Students must petition with the Financial Aid Office to ensure the "EW" is not counted in the SAP calculation.

7. **RD – Report Delayed**

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. "RD" shall not be used in calculating grade-point averages.

Grade Change

Board Policy 4231

When grades are awarded for any course of instruction taught at Compton College, the determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetence as defined below:

- **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 intentional dishonest act.
- **Incompetence:** a lack of fitness to perform required duties.

A student who alleges that a grade in a course was given as a result of mistake, fraud, bad faith, or incompetency may appeal the grade within 18 months of the last day of the term in which the grade was posted.

Upon determination by the Compton Community College District that a grade in a course was given as a result of fraud, the President/CEO or designee may change or remove the fraudulent grade from the student's transcript of record based on the recommendation of a faculty committee. Such action may be initiated upon determination of the fraud without regard to the time limits imposed on other grade appeal actions.

More information can be found in Administrative Regulation 4231. The Grade Change Petition can be found at www.compton.edu/studentservices/admissionandrecords/Forms.aspx.

Limitation to Remedial Coursework

Board Policy 4222

The President/CEO, in collegial consultation with the Academic Senate, as stated in Board Policy 2510, shall establish procedures that establish standards of scholarship and grading practice and symbols as established by Title 5.

The Board will determine a uniform grading practice for the District, based on sound academic principles.

Work in all courses acceptable in fulfillment of the requirements for an associate or baccalaureate degree, a certificate, diploma or license shall be graded in accordance with a grading scale adopted by the Board consistent with Section 55758. The grading system shall be published in the college catalogs and made available to students.

Prerequisites and Corequisites

Administrative Regulation 4260

Prerequisites, corequisites, advisories, and limitations are necessary to ensure that students succeed in their coursework and have access to the courses they require. The faculty in the discipline or, if the College has no faculty member in the discipline, the faculty in the department are responsible for establishing prerequisites and corequisites through the curriculum process.

Prerequisite: A prerequisite is a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite must be met before enrolling in a course or educational program.

Corequisite: A corequisite is a condition of enrollment consisting of a course that a student is required to take simultaneously to enroll in another course.

Advisories on Recommended Preparation: Advisories on recommended preparation is a condition of enrollment that a student is advised, but not required, to meet before, or in conjunction with, enrollment in a course or educational program.

Enrollment Limitation: An enrollment limitation means that a student may be required to meet certain conditions before enrolling in a course. This may apply to such courses as intercollegiate competition courses, public performance courses, or honors courses, or courses with legal requirements imposed by statutes, regulations, or contracts. Challenging a Prerequisite or Corequisite

Any prerequisite or corequisite may be challenged by a student on one or more of the grounds listed below. The student shall bear the initial burden of showing that grounds exist for the challenge. Challenges shall be resolved in a timely manner and, if the challenge is upheld, the student shall be permitted to enroll in the course or program in question. Grounds for challenge are:

1. The prerequisite or corequisite has not been established in accordance with the District's process for establishing prerequisites and corequisites;
2. The prerequisite or corequisite is in violation of Title 5, Section 55003;
3. The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner;
4. The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite; or
5. The student will be subject to undue delay in attaining the goal of their educational plan because the prerequisite or corequisite course has not been made reasonably available.

The Requisite Challenge Petition may be found at www.compton.edu/student-services/admissionandrecords/Forms.aspx.

High School Equivalents

Many courses and curricula offered at Compton College are based on the supposition that the student has completed the specific high school courses generally included in the college preparatory program. If the student has not met the prerequisite to a course, the individual should complete the equivalent Compton College course indicated here:

High School Course	Compton College Course
Algebra, second year	Mathematics 73 or 80
Geometry, one year	Mathematics 60
Trigonometry, one semester	Mathematics 170
Physics, one year	Physics 111 and 112
Chemistry, one year	Chemistry 104
Language, two years in one	First semester language

Probation, Dismissal, and Readmission

Board Policy 4250

Probation

A student shall be placed on academic probation if the student has earned a cumulative grade point average below 2.0. A student shall be placed on progress probation if the student has attempted a total of at least 12 semester units and the percentage of all units in which the student has attempted, for which entries of "W," "I," and "NP" were recorded reaches or exceeds 50 percent. A student shall be removed from academic probation when the student's cumulative grade point average reaches or exceeds 2.0. A student shall be removed from progress probation when the percentage of units of "W," "I," and "NP" drops below 50 percent. A student who is placed on probation may submit an appeal in accordance with campus policy.

Dismissal

A student who is on academic probation shall be subject to dismissal if the student has earned a cumulative grade point average below 2.0 in all units attempted in each of three consecutive terms. A student who is on progress probation shall be subject to dismissal if the percentage of cumulative units in which the student has enrolled for which entries of "W," "I," and "NP" are recorded in three consecutive terms reaches or exceeds fifty percent. A student who is placed on dismissal may submit an appeal in accordance with campus policy. If the appeal is approved, the student remains on probation as described in Administrative Regulation 4250.

Readmission

A student who has been dismissed may return to the College after "sitting out" one semester or based on documented extenuating circumstances may submit an appeal for reinstatement. The appeal process is contained in Administration Regulation 4250.

Probation, Dismissal and Readmission

Administrative Regulation 4250

Academic and Progress Probation

A student shall be placed on academic probation if the student has earned a cumulative grade point average (GPA) below 2.0. A student shall be placed on progress probation if the student has attempted in a total of at least 12 semester

units and the percentage of all units in which the student has attempted, for which entries of "W" (Withdrawal), "I" (Incomplete), and "NP" (No Pass) were recorded reaches or exceeds 50 percent.

The district shall notify students placed on academic or progress probation of their status no more than 30 days after the end of the term that resulted in academic or progress probation. A student who is on academic or progress probation for two or more consecutive semesters may be limited to take no more than 12 units in any fall or spring semester, and no more than 5 units in any winter or summer session. If a limitation is placed and under special circumstances, then a student may petition for additional units through the Counseling Department.

Placement of Academic Probation Level 1

- Academic Probation Level 1 occurs when a student has earned a cumulative GPA below a 2.0 for one semester.

Removal of Academic Probation Level 1

- A student will be removed from Academic Probation Level 1 when the cumulative GPA is 2.0 or higher.

Placement of Progress Probation Level 1

- Progress Probation Level 1 occurs when a student has not completed more than 50% of the courses attempted for one semester.

Removal of Progress Probation Level 1

- A student will be removed from Progress Probation Level 1 when the cumulative completion is more than 50% of courses attempted.

All students on Probational Level 1 are strongly recommended to complete a Student Success Workshop, facilitated by a designated Counselor.

Placement of Academic Probation Level 2

- Academic Probation Level 2 occurs when you have earned a cumulative GPA below a 2.0 for two consecutive semesters.

Removal of Academic Probation Level 2

- A registration hold is placed on Academic Probation Level 2 students. All students are required to complete a Student Success Workshop, facilitated by a designated Counselor, meet with a Counselor to update their Student Educational Plan (SEP), and complete an Academic Resiliency Contract

before the hold can be lifted. A student will be removed from Academic Probation Level 2 when the cumulative GPA is 2.0 or higher.

Placement of Progress Probation Level 2

- Progress Probation Level 2 occurs when you have not completed more than 50% of the courses you attempted for two consecutive semesters.

Removal of Progress Probation Level 2

- A registration hold is placed on Progress Probation Level 2 students. All students are required to complete a Student Success Workshop, facilitated by a designated Counselor, meet with a Counselor to update their SEP, and complete an Academic Resiliency Contract before the hold can be lifted. A student will be removed from Progress Probation Level 2 when the cumulative completion is more than 50% of courses attempted.

Academic Dismissal

A student who is on academic probation shall be subject to academic dismissal if the student has earned a cumulative GPA below 2.0 in all units attempted in each of three consecutive terms. A student who is on progress probation shall be subject to academic dismissal if they have not completed more than 50% of the courses attempted for three consecutive semesters. Readmission A student who has been dismissed may return to the College after "sitting out" one semester or based on documented extenuating circumstances may submit an appeal for reinstatement. If the student has not attended for one or more semesters, an application for readmission is necessary. The student has the right to appeal academic dismissal.

- The student must file the appeal with the Counseling Department.
- It is the student's responsibility to indicate on the petition a clear statement of the grounds on which continued enrollment should be granted and to provide evidence supporting the reasons.
- Petitions will be reviewed by the Reinstatement Committee. The Reinstatement 3 Committee will include a Counseling Department designee, Financial Aid Office designee, and Office of Admissions & Records designee. The student will be notified of the Committee's action in a timely manner, within 10 business days.
- The student may appeal the Committee's

decision, in writing, to the Vice President of Student Services or designee within 30 calendar days of the date of notification. The decision of the Vice President of Student Services or designee is final. A readmitted student must meet with a counselor before registration and to update their SEP.

A readmitted student will remain on probation until the cumulative GPA is 2.0 or above and/or the percentage of attempted units is above 50%. A student who withdraws from Compton College voluntarily while on probation will be readmitted in the same status that existed at the time of withdrawal.

Academic Renewal Policy and Procedures

Board Policy 4240

Beginning July 1, 2021, a student may petition to have up to 30 semester units of substandard work (D, or F grade assigned) taken at Compton College disregarded in the determination of the grade point average (GPA), subject to limitations as follows:

- The student must have earned a GPA of 2.0 or higher in the last 24 units of graded work since the substandard work to be removed. These units can be completed at any regionally accredited college or university.
- At least one year must have passed since the substandard grade(s) was awarded (including summer/winter).
- Academic Renewal shall be granted to a Compton College student only one time.
- If another accredited college has removed previous course work through academic renewal, such action shall be honored by Compton College.
- Course work with disregarded grades may not be used to meet degree or certificate requirements.
- If a student has received an associate degree at Compton College, academic renewal may be allowed upon petitioning through the Admissions Office and reviewed by the Special Circumstance Petition Process Committee.

Academic renewal actions are irreversible. Students initiate the academic renewal process through the Admissions Office by obtaining and submitting the Academic Renewal Petition. The student's permanent academic record shall be annotated to indicate all disregarded course work, but all grades shall remain legible to ensure a true and complete academic history. It is the student's responsibility to ensure that

any institution or program to which he or she is applying will accept Academic Renewal from Compton College.
(Reference: Board Policy 4240 - Academic Renewal)

Academic Freedom

Board Policy 4030

The Compton Community College District recognizes that the search for the truth and the expressions of diverse opinions are essential to a democratic society, learning, and excellence in education, will encourage and protect academic freedom. Academic freedom is fundamental for the protection of the rights of the faculty member in teaching and of the student in learning. It carries with it responsibilities correlative with rights. Accordingly, a member of the faculty shall have the right to:

- I. Freely examine or endorse unpopular or controversial ideas appropriate to course content in discussions with students, academic research and publications; nonetheless, the faculty member shall attempt to be accurate and objective and show respect for the opinions of others.
- II. Select or recommend the selection of instructional materials for the courses which may contain unpopular or controversial ideas.
- III. Speak and write as a citizen, provided that the faculty member recognizes a special obligation as a member of the educational profession and indicates that they are not speaking for the College or District.
- IV. Present all points of view, including library materials of interest, information and enlightenment without regard for the race, nationality, social, political or religious view of the author.
- V. Exercise other rights as a faculty member within the structure of state and federal laws protecting such rights.

A faculty member shall not be subject to any adverse action affecting their employment with Compton College for exercising any of the foregoing choices.

Any procedures for implementing the policy will be developed in collegial consultation with the Academic Senate.

Course Repetition

Board Policy 4225

The President/CEO or designee, relying primarily on faculty expertise, will have the authority to develop and implement policy and procedures with regards to repeatable and non-repeatable courses. Such policies and procedures will be developed in accordance with state, federal and/or District regulations.

Repeatable courses with the designation of "ab, abc, or abcd" may be taken more than once for credit. Compton College designates as repeatable courses for which repetition is necessary to meet the lower-division major requirements of CSU or UC for completion of a bachelor's degree, intercollegiate athletics and related conditioning courses, and intercollegiate academic or vocational competition courses.

Non-repeatable courses may be taken only once for credit. Students may retake a nonrepeatable course in which they have received a substandard grade (D, F, NP or NC) or Withdrawal (W) only once before college intervention.

Under special circumstances, students may repeat courses in which a grade of C or better was earned. These special circumstances and other specific exceptions to the above policies are detailed in administrative procedures.

When course repetition occurs, the permanent academic record shall be annotated in such a manner that all work remains legible, insuring a true and complete academic history.

Procedures for implementing the policy will be developed in collegial consultation with the Academic Senate.

(Reference: Administrative Regulation 4225 - Course Repetition Procedure)

Course Families

Physical Education Program Course CFamilies			
Cardiorespiratory Training	PE 102 – Walking for Fitness PE 122 – Cardio Fitness and Body Sculpting	Resistance Training	PE 125 – Weight Training PE 138 – Circuit Training
Combatives	PE 118 – Beginning Boxing PE 119 – Intermediate Boxing	Team Sports	PE 104 – Basketball PE 107 – Baseball PE 130 – Beginning Soccer PE 131 – Intermediate Soccer PE 113 – Volleyball PE 255 – Beach Volleyball
Cross Training	PE 103 – Boot Camp Fitness Training PE 110 – Body Conditioning and Physical Fitness	Yoga	PE 127 – Yoga for Health and Fitness PE 128 – Power Vinyasa Yoga
Racquet Sports	PE 134 – Badminton		
ART PROGRAM COURSE FAMILIES			
Drawing	Art 110 – Drawing Fundamentals I Art 210 – Drawing Fundamentals II	Two-Dimensional Design	Art 130 – Two-Dimensional Design I Art 230 – Two-Dimensional Design II
Painting	Art 222 – Fundamentals of Painting I Art 223A – Fundamentals of Painting II Art 223B – Fundamentals of Painting III	Watercolor	Art 219 – Watercolor Painting I Art 220 – Watercolor Painting II
DANCE PROGRAM COURSE FAMILIES			
Ballet	Dance 120A – Beginning Ballet A Dance 120B – Beginning Ballet B Dance 220A – Intermediate Ballet A Dance 220B – Intermediate Ballet B	Social Dance	Dance 168 – Latin Social Dance
Choreography	Dance 171A – Beginning Choreography A Dance 171B – Beginning Choreography B	Modern Dance	Dance 130A – Beginning Modern Dance A Dance 130B – Beginning Modern Dance B Dance 230A – Intermediate Modern Dance A Dance 230B – Intermediate Modern Dance B
Jazz Dance	Dance 140 – Jazz Dance I Dance 240 – Jazz Dance II	Tap Dance	Dance 161 – Tap Dance I – Beginning
		World Dance	Dance 164 – World Dance Dance 165 – African Dance
MUSIC PROGRAM COURSE FAMILIES			
Audition Preparation	Music 232 – Advanced Piano Music 290 – Intermediate Applied Music/ Individual Lessons	Large Ensemble	Music 265 – Symphonic Band Music 268 – Symphony Orchestra
Beginning Instrument	Music 143 – Beg. Woodwind Instruments Music 144 – Beginning Brass Instruments Music 145 – Beg. Percussion Instruments Music 146 – Beginning String Instruments	Piano	Music 131A – Beginning Piano I Music 131B – Beginning Piano II Music 231A – Intermediate Piano I Music 231B – Intermediate Piano II
Choral Ensemble	Music 152 – Concert Choir	Voice	Music 120 – Voice Class I Music 220 – Voice Class II
Guitar	Music 147A – Beginning Guitar Music 147B – Beginning Guitar II Music 247 – Intermediate Guitar	Small Ensembles	Music 260 – Woodwind Ensembles Music 261 – Brass Ensembles Music 262 – Percussion Ensembles Music 264 – String Ensembles
Jazz Large Ensemble	Music 266 – Studio Jazz Band Music 267 – Concert Jazz Band		
THEATRE PROGRAM COURSE FAMILIES			
Acting	Theatre 113 – Introduction to Acting Theatre 114 – Fundamentals of Acting Theatre 217 – Intermediate Acting		

Field Trips and Excursions

Board Policy 4300

The CEO shall establish procedures that regulate the use of District funds for student travel and attendance at conferences and other activities that are performed as a class assignment or cocurricular activity.

The CEO, under authorization from the Board of Trustees, may authorize field trips and excursions for students in connection with courses of instruction or college-related social, educational, cultural, athletic or musical activities to and from places in California, or any other state, the District of Columbia, or a foreign country. The CEO may delegate the authority to the appropriate Vice President.

The District may pay for expenses of students participating in a field trip or excursion with auxiliary, grant or categorical program funds if the funds are used consistently with the funding source. The expenses of instructors, chaperones, and other personnel traveling with students may also be paid from District funds. No student shall be prevented from making a field trip or excursion which is integral to the completion of the course because of lack of sufficient funds. Students and staff shall at all times adhere to the standards of conduct applicable to conduct on campus.

(Reference: Administrative Regulation 4300 - Field Trips and Excursions)

Students' Rights and Responsibilities

Student Rights and Grievances

Administrative Regulation 5530

For the purpose of this regulation, a student grievance is defined as a claim by a student that their student status, rights, or privileges have been adversely affected by a college decision or action. This regulation is available for students who desire to pursue grievance procedures against an employee of the District. The student shall be entitled to representation, by a person of their choice, other than legal counsel, at all informal complaint meetings. District employees will be notified of student grievances received by the Grievance Officer or designee and are entitled to representation at all informal complaint meetings.

Note: The District is committed to resolving student grievances in a fair and equitable manner. Students should work through the District's process first before escalating issues to other agencies. Issues that are not resolved at the District level may be presented to the California Community Colleges Chancellor's Office, the U. S Department of Education, or other federal, state or local applicable entity.

This regulation is not available for use by any student who believes they have been subjected to unlawful discrimination, including sexual and gender-based discrimination as prohibited by Title IX of the Higher Education Amendments of 1972. The basis for alleging unlawful discrimination, including sexual and gender-based discrimination, and the procedures to be used to file such a complaint are set forth in the District's Board Policy and Administrative Regulation 3430 – Prohibition of Harassment and Board Policy and Administrative

Regulation 3540 – Sexual and Other Assaults on Campus. The District's Title IX Coordinator will be notified immediately upon the receipt of such grievances by the Grievance Officer or designee.

Students who make a false or malicious charge against an employee of the District are subject to disciplinary action as outlined in Board Policy 5500 and Administrative Regulation 5500 – Standards of Student Conduct.

The regulation shall include, but not be limited to, grievances regarding:

1. Admissions
2. Financial Aid
3. Access to or receipt of aid from student service entities
4. Noncompliance with board policies and administrative regulation
5. The exercise of rights of free expression protected by state and federal constitutions and Education Code Section 76120.

This regulation does not apply to the following:

1. Student disciplinary actions, which are covered under Board Policy 5500 and Administrative Regulation 5520 – Student Discipline Regulation.
2. Complaints about police citations (e.g., "tickets"). Complaints about citations must be directed to the District's Campus Police Department.
3. Course grades to the extent permitted by Education Code Section 76224 (a). Grade appeals, which are addressed in Board Policy 4231 and Administrative Regulation 4231 –

Grade Change. Students may not grieve solely for receiving substandard grades.

Definitions:

1. **Party** – The student or respondent(s) together with their representatives. "Party" shall not include the Grievance Hearing Committee or the Grievance Officer.
2. **President/CEO** – The President/Chief Executive Officer or a designated representative of the President.
3. **Student** – A currently enrolled student, a person who has filed an application for admission to Compton College, or a former student. A grievance by an applicant shall be limited to a complaint regarding denial of admission. Former students shall be limited to grievances relating to course grades to the extent permitted by Education Code Section 762224(a).
4. **Grievant** – A student who has filed a grievance.
5. **Respondent** – Any person claimed by a grievant to be responsible for the alleged wrongdoing.
6. **Business Day** – Unless otherwise provided, business day shall mean a day during which the college is in session and regular classes are held, excluding Saturdays, Sundays and public holidays.
7. **Grievance Officer** – Appointed by the President/CEO or designated representative assist students in seeking resolution.

Informal Resolution

1. The President/CEO or designee shall appoint an employee who shall assist students in seeking resolution by informal means. This person shall be called the Grievance Officer. The Grievance Officer and the student may also seek the assistance of the Associated Students Body President or designee in attempting to resolve a grievance informally.
2. A Student who believes that they have been treated unfairly by a District employee must make a reasonable, good faith attempt to resolve the problem on an informal basis by first meeting individually with the employee. In the event that the student first contacts the employee's supervisor (including the Dean of the faculty of the faculty or classified staff member), the supervisor shall first direct the student to meet with the employee. If the issue is not resolved in that meeting (or reasonable attempts to arrange the meeting fail), then the employee's supervisor shall meet with both parties, in an earnest and good faith attempt to resolve the matter successfully. If, after this,

the matter cannot be resolved informally, the student may file a formal grievance.

3. At no time shall any of the persons directly or indirectly involved in the case use the fact of such informal discussion, the fact that a grievance has been filed, or the character of the informal discussion for the purpose of strengthening the case for or against persons directly involved in the dispute or for any purpose other than the settlement of the grievance.
4. Any student who believes they have a grievance shall file a Statement of Grievance with the Grievance Officer within ten (10) business days of the incident on which the grievance is based, or ten (10) business days after the student learns of the basis for the grievance, whichever is later. The Statement of Grievance must be filed whether or not the student has already initiated efforts at informal resolution, if the student wishes the grievance to become official. Within ten (10) business days following receipt of the Statement of Grievance Form, the Grievance Officer shall advise the student of their rights and responsibilities under these procedures, and assist the student, if necessary, in the final preparation of the Statement of Grievance form. All parties to the grievance shall be given notice not less than seven (7) business days from the filing of the grievance form.
5. If, at the end of the ten (10) business days following the student's first meeting with the Grievance Officer there is no informal resolution of the complaint which is satisfactory to the student, the student shall have the right to request a grievance hearing. The respondent(s) will be informed at this stage within two (2) business days.
6. This concludes the Informal Resolution Process.

Grievance Hearing Committee

The President/CEO or designee shall, at the beginning of each semester, including any intersession, establish a standing panel of members of the College community, including students, classified staff, faculty members, and administrators, from which one or more Grievance Hearing Committees may be appointed. The Panel will be established with the advice and assistance of the Associated Student Government, Compton Community College Federation of Employees Classified Unit, and the Academic Senate, who shall each submit names to the President/CEO or designee for inclusion on the Panel. A Grievance Hearing Committee shall be constituted in accordance with

the following:

1. It shall include one student, two faculty members, one classified employee, and one administrator selected by the President/CEO or designee.
2. No person shall serve as a member of a Grievance Hearing committee if that person has been personally involved in any matter giving rise to the grievance, has made any statement on the matters at issue, or could otherwise not act in a neutral manner. Any party to the grievance may challenge for cause any member of the hearing committee prior to the beginning of the hearing by addressing a challenge to the President/CEO or designee who shall determine whether cause for disqualification has been shown. If the President/CEO or designee feels that sufficient ground for removal of a member of the committee has been presented, the President/CEO or designee shall remove the challenged member or members from the Panel described above. This determination is subject to appeal as defined below.
3. The Grievance Officer shall sit with the Grievance Hearing Committee but shall not serve as a member nor vote. The Grievance Officer shall coordinate all scheduling of hearings, shall serve to assist all parties and the Grievance Hearing Committee to facilitate a full, fair and efficient resolution of the grievance, and shall avoid an adversary role.

Request for Students Grievance Hearing

1. Any request for a grievance hearing shall be filed with the Grievance Officer on a request for a Student Grievance Hearing Form within ten (10) business days after filing the statement of Grievance as described above.
2. Within fifteen (15) business days following receipt of the request for a grievance hearing, the President/CEO or designee shall appoint a Grievance Hearing Committee as described 4 above. The Grievance Hearing Committee shall meet in private, without the parties present, to select a chair to determine the basis of Statement of Grievance.
3. If the hearing is warranted, the determination of whether the Statement of Grievance presents sufficient grounds for a hearing shall be made by the Grievance Officer based on the following:
 - a. The statement contains facts which, if true, would constitute a grievance under these procedures;
 - b. The grievant is a student as defined in these procedures, which include applicants and

former students;

- c. The grievant is personally and directly affected by the alleged grievance;
- d. The grievance was filed in a timely manner; and
- e. The grievance is not clearly frivolous, clearly without foundation, or clearly filed for purpose of harassment.
6. If the grievance does not meet each of the requirements, the Grievance Officer shall notify the student in writing of the rejection of the Request for a Grievance Hearing, together with the specific reason(s) for the rejection and the procedures for appeal. This notice will be provided within ten (10) business days of the date the decision is made by the Grievance Officer.
7. Any appeal relating to a Grievance Officer decision that the Statement of Grievance does not present a grievance as defined in these procedures shall be made in writing to the President/CEO or designee within five (5) business days of that decision. The President CEO or designee shall review the Statement of Grievance and Request for a Student Grievance Hearing in accordance with the requirements for a grievance provided in these procedures but shall not consider any other matters.
8. If the Request for a Grievance Hearing satisfies each of the requirements, the Grievance Officer shall schedule a grievance hearing. The hearing will begin within fifteen (15) business days following the decision to grant a Grievance Hearing. All parties to the grievance shall be given not less than seven (7) business days' notice of the date, time and place of the hearing, a copy of the grievance, any supporting documentation, and the opportunity to provide a written response.

Hearing Procedure

1. The decision of the Grievance Committee chair shall be final on all matters relating to the conduct of the hearing unless there is a majority vote of the other members of the Panel to the contrary.
2. The members of the Grievance Hearing Committee shall be provided with a copy of the grievance and any written response provided by the respondent before the hearing begins.
3. Each party to the grievance may call witnesses and introduce oral and written testimony relevant to the issues of the matter. Formal rules of evidence shall not apply. Any relevant evidence shall be admitted.
4. District employees will be notified of grievance

- hearings in advance by the Grievance Officer or designee at least seven (7) business days in advance and are entitled to representation at grievance hearings. District employees will be provided with a copy of all documentation collected related to a grievance at least two (2) business days prior to 5 grievance hearings. Student grievant will also have the right to request all documentation collected related to a grievance at least two (2) business days prior to grievance hearings.
5. Unless the Grievance Hearing Committee determines to proceed otherwise, each party to the grievance shall be permitted to make an opening statement. Thereafter, the grievant or grievant shall make the first presentation, followed by the respondent or respondents. The grievant(s) and respondent(s) may present rebuttal evidence after the respondents(s) evidence is presented. The burden shall be on the grievant or grievant(s) to prove by substantial evidence that the facts alleged are true and that a grievance has been established as specified above.
 6. Each party to the grievance may represent themselves and may also have the right to be represented by a person of their choice; except that a party shall not be represented by an attorney unless, in the judgement of the Grievance Chair, complex legal issues are involved. If a party wishes to be represented by an attorney, a request must be presented no less than (5) business days prior to the date of the hearing. If one party is permitted to be represented to by an attorney, the other party shall have the right to be presented by an attorney. The hearing committee may also request legal assistance through the President/CEO or designee. Any legal advisor provided to the hearing committee may sit with it in an advisory capacity to provide legal counsel but shall not be a member of the Panel nor vote with it.
 7. Hearing shall be closed and confidential unless all parties request that it be open to the public. Any such request that it be open to the public. Any such request must be no less than five (5) business days prior to the date of the hearing.
 8. In a closed hearing, witnesses shall not be present at the hearing when not testifying, unless all parties and the committee agree to the contrary.
 9. The hearing shall be recorded by the Grievance Officer by audio tape recording and shall be the only recording made. No witness who refuses to be recorded may be permitted to give testimony. The Grievance Hearing Committee Chair shall, at the beginning of the hearing, ask each person present to identify themselves by name, and thereafter shall ask witnesses to identify themselves by name. The audio recording shall always remain in the custody of the District, unless released to a professional transcribing service. Any party may request a copy of the audio recording.
 10. All testimony shall be taken under oath. The Grievance Hearing Committee Chair shall administer the oath. Written statements of witnesses under penalty of perjury shall not be used unless the witness is unavailable to testify. A witness who refuses to be audio recorded shall be considered unavailable.
 11. Within five (5) business days following the close of the hearing, the Grievance Hearing Committee shall prepare and send to the President/CEO or designee a written decision. The decision shall include specific factual findings regarding the grievance and shall also include a specific recommendation regarding the relief to be afforded the grievant, if any. The decision shall be based only on the record hearing, and not on matters outside of that record. The record consists of the original grievance, any written response, and the oral and written evidence produced at the hearing.
- The President/CEO or Designee Decision**
 Within five (5) business days following receipt of the Grievance Hearing Committee's decision and recommendation(s), the President/CEO or designee shall send to all parties their written decision, together with the Grievance Hearing Committee's decision and recommendations. The President/CEO or designee may accept or reject the findings, decisions and recommendations of the Grievance Hearing Committee. The factual findings of the Grievance Hearing Committee shall be accorded great weight; if the President/CEO or designee does not accept the decision or a finding or recommendation of the Grievance Hearing Committee, the President/CEO or designee 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/CEO or designee shall be final, subject only to appeal as provided below.
- Appeal**
 Any party to the grievance may appeal the decision of the Grievance Hearing Committee by writing to the President/CEO within seven (7) business days of the date on the written notification by the Grievance Hearing Committee.
1. The President/CEO shall examine all documents

received and shall grant review of the matter only if they determine from these documents that the decision of the Grievance hearing Committee was in error.

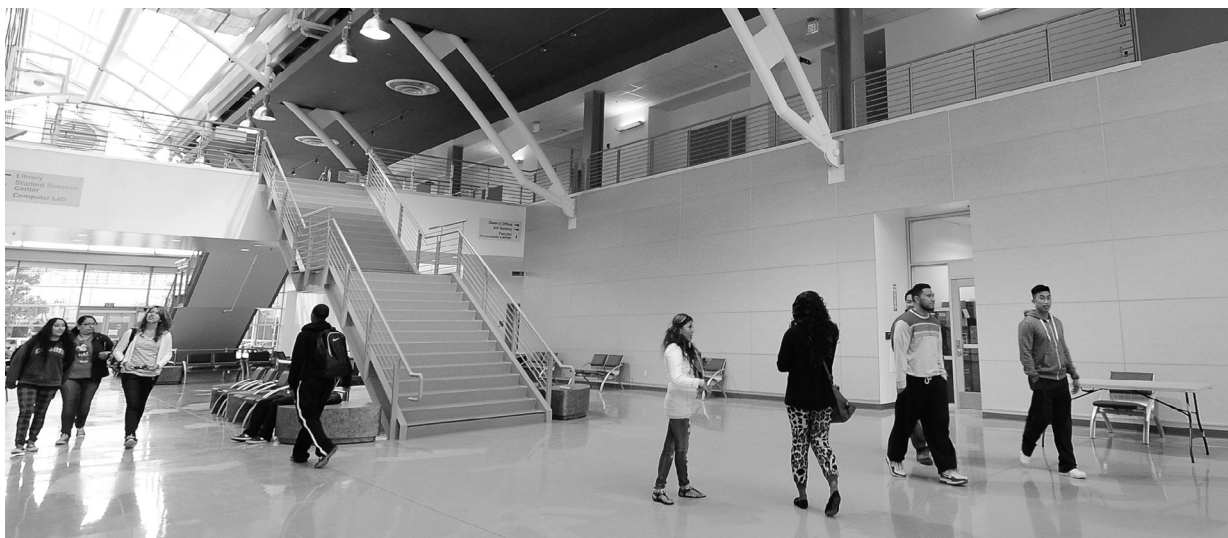
2. If the President/CEO determines that review is not appropriate, they shall, within ten (10) business days after receipt of the request for review, send written notice denying review and affirming the decision of the Grievance hearing Committee.
3. If the President/CEO determines that review is appropriate, they shall, within ten (10) business days after receipt of the request schedule a meeting with the grievant or respondent and the Grievance Hearing Committee chair, giving the grievant or respondent at least five (5) business days written notice. The grievant or respondent will be allowed to present their objections to the President/CEO decision, and the Grievance Hearing Committee chair will be allowed to respond thereto.
4. After such meeting, the President/CEO may reverse, revise or modify the decision or the President/CEO may let the decision stand.
5. The President/CEO's decision shall be in writing and shall include a statement of reasons for the decision. President/CEO's decision shall be final. The decision will be sent in writing to the grievant and respondent no more than five (5) business days following the appeal. Any times specified in this administrative regulation may be shortened or lengthened if there is mutual concurrence by all parties.

Student Complaint Procedure for Issues Not Resolved at the Campus Level

Most complaints, grievances, or disciplinary matters should be resolved at the campus level. This is the

quickest and most successful way of resolving issues involving a California Community College (CCC). Students are encouraged to work through the campus complaint process first, before escalating issues to any of the following resources. Issues that are not resolved at the campus level may be presented:

1. To the Accrediting Commission for Community and Junior Colleges (ACCJC) at www.accjc.org complaint-process if the complaint is associated with the institution's compliance with academic program quality and accrediting standards. The ACCJC can also be contacted by mail (The Accrediting Commission for Community and Junior Colleges Western Association of Schools and Colleges, 10 Commercial Boulevard, Suite 204, Novato, CA 94949), or by phone (415-506-0234), fax (415-506-0238), or email (accjc@accjc.org). ACCJC is the agency that accredits the academic programs of the California Community Colleges.
2. To the CCC Chancellor's Office Complaints Form at <https://www.cccco.edu/Complaint-Process-Notice> if your complaint does not concern Compton College's compliance with academic program quality and accrediting standards.
3. To the CCC Chancellor's Office Legal Affairs website at <https://www.cccco.edu/About-Us/Chancellors-Office/Divisions/General-Counsel> if your complaint involves unlawful discrimination.
4. To the Board of Registered Nurses (BRN) at www.rn.ca.gov/enforcement/complaint.shtml if the complaint involves the Nursing program and alleges that a licensee of the Board has engaged in illegal activities which are related to their professional responsibilities.



The BRN can also be contacted by mail (Board of Registered Nursing, Attn: Complaint Intake, PO Box 944210, Sacramento, CA 94244-2100), or by phone, (916-322-3350), fax (916-574-7693), or email (Enforcement.BRN@dca.ca.gov).

Policies and Procedures

Standards of Student Conduct

Board Policy 5500

The President/Chief Executive Officer shall establish procedures for disciplining students in accordance with the requirements for due process of the federal and state laws and regulations. The procedures shall clearly define the conduct that is subject to discipline, and shall identify potential disciplinary actions including, but not limited to, the removal, suspension, or expulsion of a student.

The Board of Trustees shall consider any recommendation from the President/ Chief Executive Officer for expulsion. The Board shall consider an expulsion recommendation in closed session unless the student requests that the matter be considered in a public meeting. Final action by the Board on the expulsion shall be taken at a public meeting.

Compton College is dedicated to maintaining an optimal learning environment and insists upon academic honesty and adherence to standards of student conduct. To uphold the academic integrity, all members of the academic community shall assume responsibility for providing an educational environment of the highest standard characterized by academic honesty. It is the responsibility of all members of the academic community to encourage learning, promote honesty, and act with fairness. Student conduct at Compton College must conform to federal and state laws and District policies and procedures.

Compton College personnel are dedicated to maintaining a positive learning environment. Optimal standards of conduct are essential to the maintenance of a quality college environment. Compton College will develop and maintain Standards of Student Conduct. The procedures shall be made widely available to student through the College catalog, and other means including electronic communications.

Applicable Administrative Regulations:

AR 5500 Standards of Student Conduct
AR 5520 Student Discipline Procedures
AR 5530 Student Rights and Grievances

Administrative Regulation 5500

Student conduct at Compton College must conform to federal and state laws and District policies and procedures.

Standards will apply to all students on District owned facilities or controlled property or at District-sponsored or supervised functions or electronic media. Violation of such laws, policies, and procedures or behavior adversely affecting suitability as a student, will lead to student disciplinary action. Student disciplinary actions as noted in Board Policy 5500, Administrative Regulation 5520, and Administrative Regulation 5530 may be taken against any person who engages in behavior defined as misconduct.

Students alleged to have violated the Sexual Misconduct Policy with regards to sexual assault, sexual harassment, rape, domestic violence, dating violence, stalking, and retaliation, will be referred to the Director of Diversity, Compliance, and Title IX. The Director of Diversity, Compliance, and Title IX will work in coordination with the Director of Student Development and Athletics or designee to address any violations to the Standards of Student Conduct that are in addition to the allegations of sexual misconduct.

Students who engage in any of the following conduct are subject to the procedures outlined in Administrative Regulation 5520.

Definitions: The following misconduct shall constitute good cause for discipline including, but not limited to, the removal, suspension, or expulsion of a student.

- I. Dishonesty
 1. Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty as defined in the College catalog.
 2. Representing the words, ideas, or work of another as one's own in any academic exercise including the use of commercial term paper companies or online sources for essays, term papers, or research papers, whether free or paid.
 3. Copying from another student or former student or allowing another student to copy from one's work.
 4. Allowing another individual to assume one's identity or assuming the identity of another individual.
 5. Unauthorized collaboration-intentionally sharing or working together on an

- academic exercise when such actions are not approved by the course instructor
6. Changing answers on a previously scored test, assignment, or experiment with the intent to defraud.
 - a. Inventing data for the purpose of completing an assignment, a laboratory experiment, or case study analysis with the intent to defraud
 - b. Obtaining or copying exams, test questions, or other course materials when prohibited by the instructor.
 - c. Giving or receiving information during an examination or test by any means such as sign language, hand signals or secret codes, or through the use of any electronic device.
 - d. Using aids such as notes, calculators, or electronic devices unless specifically authorized by the instructor or District personnel.
 - e. Handing in the same paper or other assignment in more than one class when prohibited by the instructor
 - f. Any other action which is not an honest reflection of a student's own academic work.
 7. Dishonesty, forgery, alteration, or misuse of District documents, records, or identification, or knowingly furnishing false information to the District.
 8. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction including, but not limited to, handwritten or typed class notes, still photos, audio, or video recording, except as permitted by any District policy or administrative procedure.
- II. Disruptive Behavior, Inappropriate Behavior, Inappropriate Conduct, and Expression
1. Disruptive behavior, willful disobedience, profanity or vulgarity, or the open defiance of the authority of, or abuse of, District personnel or another person.
 2. Causing, attempting to cause, threatening, or acts of aggression including verbal or physical actions that are intended to create fear, apprehension, or bodily harm to another person.
 3. Lewd, indecent, or obscene conduct or expression on District-owned facilities or controlled property or at District-sponsored or supervised functions, including public urination or defecation, public sexual acts, taking intimate pictures of another person without consent, disrobing in public, possession, and distribution of any obscene material, or viewing pornographic material.
4. Engaging in expression which is obscene, libelous, or slanderous, or which so incites others as to create a clear and present danger of the commission of unlawful acts on District-owned facilities or controlled property or at District sponsored or supervised functions, or the violation of lawful District regulations, or the substantial disruption of the orderly operation of the District.
 5. Obstruction or disruption of teaching, research, administration, disciplinary proceedings, or other authorized college activities including, but not limited to, its community service functions or to authorized activities held off-campus.
 6. Obstruction or disruption includes, but is not limited to, the use of skateboards, bicycles, radios, and roller skates.
 7. Failure to comply with the directions of a member of the District certificated personnel, college management or supervisory personnel, college staff member, or campus police acting within the scope of their duties.
 8. Conducting, organizing, or participating in any activity involving gambling except as permitted by federal and state law.
- III. Drugs, Alcohol, and Smoking
1. 1. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in California Health and Safety Code Sections 11053 et seq., an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5 on District-owned facilities or controlled property or at District-sponsored or supervised functions.
 2. Willful or persistent smoking (including tobacco and vapor cigarettes) in any area where smoking has been prohibited by law or by regulation of the District.
- IV. Theft, Robbery, and Damage
1. Committing or attempting to commit robbery or extortion.

2. Causing or attempting to cause damage to District property or to private property on District-owned facilities or controlled property or at District-sponsored or supervised functions.
 3. Stealing or attempting to steal District property or private property or knowingly receiving stolen District property or private property on District-owned facilities or controlled property or at District-sponsored or supervised functions.
 4. Willful misconduct which results in cutting, defacing, or other injury to any real or personal property owned by the District or personal property of other individuals District-owned facilities or controlled property or at District-sponsored or supervised functions.
- V. Sexual Misconduct
1. Committing sexual misconduct including, but not limited to, sexual harassment, domestic violence, dating violence, stalking, sexual assault (non-consensual sexual contact and/or intercourse), sexual exploitation, intimidation, retaliation, and rape as defined by law or by District policies and procedures.
 2. Lewd, indecent, or obscene conduct on District-owned or controlled property or at District-sponsored or supervised functions.
 3. Other misconduct offenses in violation of the Compton College Sexual Misconduct Policy.
- VI. Harassment, Threatening, and Violent Behavior
1. Causing, attempting to cause, or threatening to cause physical injury to another person on District-owned facilities or controlled property or at District-sponsored or supervised functions.
 2. Engaging in intimidating conduct or bullying against another person through words or actions, including direct physical contact, verbal assaults, such as teasing or name-calling, social isolation or manipulation, and cyberbullying.
 3. Willful misconduct which results in injury or death to a student or to college personnel or which results in cutting, defacing, or other injury to any real or personal property on District-owned facilities or controlled property or at District-sponsored or supervised functions.
 4. Disruptive behavior, willful disobedience, habitual profanity, or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, District personnel or another person.
5. Willful misconduct which results in injury or death to another person, or which results in cutting, defacing, or other injury to any real or personal property owned by the District or controlled property or at District-sponsored or supervised functions.
 6. Other misconduct offenses relative to disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law including, but not limited to, bullying, discrimination, threatening, or causing abuse (including physical and/or verbal).
 7. Violence between those in intimate/dating relationships to each other, and stalking, as defined by law or by District policies and procedures.
- VII. Weapons
- Possession, sale or otherwise furnishing any firearm, knife, explosive, or other dangerous object including, but not limited to, any facsimile firearm, knife, or explosive on District-owned facilities or controlled property or at District-sponsored or supervised functions, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a District employee, which is concurred in by the President/Chief Executive Officer (CEO) or designee
- VIII. Misuse of Facilities
- Unauthorized entry upon or use of District-owned facilities or controlled property or at District-sponsored or supervised functions.
- IX. Miscellaneous
1. Introduction of animals on District-owned facilities or controlled property or at District-sponsored or supervised functions are not permitted with the exception of service animals that provide assistance as permitted by federal and state law. Emotional Support Animals, as an accommodation, must be approved by the Special Resource Center.
 2. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
 3. The commission of any act constituting a crime under federal or state law on District-owned facilities or controlled property or at District-sponsored or supervised functions.

Student Discipline and Due Process Procedure

Administrative Regulation 5520

The purpose of this regulation is to provide a prompt and equitable means to address violations of the Standards of Student Conduct, which guarantees to the student or students involved the due process rights guaranteed them by state and federal constitutional protections. This procedure will be used in a fair and equitable manner, and not for purposes of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

The Administrative Regulation is specifically not intended to infringe in any way on the rights of students to engage in free expression as protected by the state and federal constitutions, and by Education Code Section 76120, and will not be used to punish expression that is protected.

Definitions

1. **College District** – Compton Community College District. Student discipline sanctions imposed to students at Compton College will also apply to all instructional sites in the Compton Community College District.
2. **Student** – Any person who has applied for admission or currently enrolled as a student in any program offered by the College District.
3. **Instructor** – Any academic employee of the College District in whose class a student subject to sanction is enrolled, or counselor who is providing or has provided services to the student, or other academic employee who has responsibility for the student's educational program.
4. **Complainant**– A person who submits a charge alleging that a student has violated the College District's Student Code of Conduct.
5. **Accused Student** – A student who has been accused of violating the Student Code of Conduct by a College District employee, student, or visitor.
6. **Advisor** – An advisor is anyone other than the complainant or accused student. An advisor may include, but is not limited to, another student, family member, attorney, College personnel, or community member. The advisor's role is to observe, provide counsel, or support the complainant or accused student.
7. **Business Day** – Unless otherwise provided, a business day shall mean a day during which the College District is in session and regular classes are held, excluding Saturdays, Sundays, and public holidays.
8. **College District Property** – Property under the

control of the Compton Community College District or any place that is the site of a College District-approved activity or function.

Jurisdiction of the College

Sanctions for violations of the Student Code of Conduct may be imposed for conduct which occurs on the College premises, in or out of the classroom setting, while using College technology, at off-campus instructional sites, during off-campus College-sponsored events and for off-campus conduct which materially and substantially interferes with the College's operational and educational programs.

Filing a Complaint

Any person may allege a violation of the Student Code of Conduct by completing a Student Conduct Incident Report and Referral Form and submitting it to the Student Development Office. The College reserves the right to initiate a student conduct process based on available information, even if a formal complaint has not been received. The complaint shall describe the conduct in question and, if known, the name of the person or persons alleged to have engaged in that conduct. The filing of a complaint assumes that the complainant desires to initiate the inquiry that may result in official disciplinary action against the alleged violator. The complainant should file a complaint within a reasonable amount of time not to exceed thirty (30) business days from the date of the incident.

Overview of Discipline Process

1. Each student is responsible for reading and complying with the Standards of Student Conduct which is made available on the Compton College website on the Student Development Office page or from the Student Development Office located in R-61 and the College Catalog.
2. Any member of the College community can initiate an accusation of an alleged violation.
3. If a student is accused of an alleged violation, they will receive written notice of the conduct warranting discipline via Compton College issued e-mail account with delivery notification. The notice may include a request for a review meeting and will include:
 - a. The specific code violations
 - b. A short statement of the facts supporting the accusation
 - c. The right of the student to meet with the Director of Student Development & Athletics or designee
 - d. Reference to the Standards of Student

- Conduct outlining the process and rights of students
- e. The nature of the sanctions being considered.
4. Time Limits - The notice must be provided to the student within forty (40) business days of the date on which the conduct took place; in the case of continuous, repeated or ongoing conduct, the notice must be provided within ten (10) business days of the date on which conduct occurred which led to the decision to take disciplinary action.
 5. Meeting - If the student chooses to meet with the Director of Student Development & Athletics or designee, the meeting must occur no sooner than five (5) business days after the notice is provided. At the meeting, the student must again be told the facts leading to the accusation and must be given an opportunity to respond verbally or in writing to the accusation.
 - a. Both the complainant and the accused student may be accompanied by an advisor to any meetings, interviews, or hearings. The advisor's role is to observe, provide counsel, or support the complainant or accused student. An advisor may not speak on behalf of the complainant or accused student or speak to the Director of Student Development & Athletics or designee. Advisors who do not comply with their role may be removed from the meeting, interview, or hearing.
 6. Upon completion of the review meeting, the student shall have the right to the following:
 - a. Be provided a written list of findings by the Director of Student Development & Athletics or designee
 - b. Accept or deny responsibility
 - c. Have sanctions imposed, if found in violation of the Standards of Student Conduct
 - d. Request a hearing of the Disciplinary Hearing Panel should the student disagree with the finding(s) and sanction(s) of the Director of Student Development & Athletics or designee
 - e. Be informed of the appropriate policy and regulations, and procedures
 - f. Informed of their right to request a copy of their student conduct file.
 7. Students should be aware that the student conduct process is different from criminal and civil court proceedings. Procedures and rights

in student conduct proceedings are conducted with fairness to all, but do not include the same protections of due process afforded by the courts. The standard used to determine whether a violation of the Standards of Student Conduct has occurred will be a preponderance of evidence (more likely than not). Due process within these procedures, assures timely written notice, a hearing before an objective decision-maker or Panel (should one be requested) and a process for appeal.

8. Students continue to be subject to city, state, and federal laws while at Compton College and allegations, charges, or violations of those laws may also constitute violations of the Standards of Student Conduct. In such instances, Compton College may proceed with disciplinary action under the Standards of Student Conduct independently of any criminal proceeding involving the same conduct and may impose sanctions for violation of the Standards of Student Conduct even if such criminal proceeding is not yet resolved or is resolved in the student's favor.
9. No student will be found in violation of Compton College Standards of Student Conduct without information showing by preponderance of the evidence that a policy violation has occurred. At Compton College's sole discretion, sanctions will be proportionate to the severity of the violation(s).
10. If a student is found responsible for one or more violations of the Standards of Student Conduct, the student's prior conduct record will be taken into consideration and may result in progressive sanctions because of a pattern of behavior.

Determination of Sanctions

The following factors may be considered in determining what sanctions are appropriate in a particular case. While sanctions are applied equitably and fairly, it is done so with consideration for the uniqueness of each individual case.

1. The nature and/or severity of the violation(s).
2. Prior violations and disciplinary history.
3. Mitigating circumstances surrounding the violation.
4. The student's motive or purpose for engaging in the behavior.
5. Sanctions which have been imposed in similar cases in the past.

6. The developmental and educational impact on the student.

Possible Sanctions

Multiple sanctions may be imposed including, but not limited to:

1. Sanctions for Academic Dishonesty

Students found to be responsible for academic dishonesty may incur any of the below sanctions:

- a. The instructor may assign a failing grade to the examination or assignment in which the alleged cheating or plagiarism occurred
- b. The instructor may dismiss the student from the class or activity for the present and/or following class session(s)
- c. The instructor or the Division administrator may require a meeting with the instructor and/or the Administrator; and/or
- d. The instructor shall complete a Student Conduct Incident Report and Referral which a copy will be forwarded to the Division administrator and the Director of Student Development & Athletics or designee

Other Sanctions

1. Written or Verbal Reprimand – An admonition to the student to cease and desist from conduct determined to violate the Standards of Student Conduct. Written reprimands may become part of a student's permanent record at the College District. A record of the fact that a verbal reprimand has been given may become part of a student's record at the College District. 5
2. Educational Sanctions – An educational sanction may include additional work assignments, essays, community service, behavioral contract, administrative referral, or other related educational assignment.
3. Probation – A reprimand for violation of specified regulations. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student is found to be in violation of any standards of Student Code of Conduct during the probationary period. It may include restriction from contact with specified individuals, College activities, services, offices, or designated areas. Probation shall not be imposed for a period longer than one (1) academic year.
4. Restitution – A payment to compensate an injured party for financial harm in cases

involving misconduct including, but not limited to, theft, destruction of property, or deception.

5. Removal from Class/Facility/College District Entity – Any instructor or Division administrator or designee may remove a student from the class, activity, office, department, or other educational forum for the day of the incident and one additional instructional day. The instructor or Division administrator or designee shall immediately report the removal to the Director of Student Development & Athletics or designee and their Division Dean. The student shall not be returned to the class during the period of the removal without the concurrence of the instructor.
6. Withdrawal of Consent to Remain on Campus – The College District's Police Department, may notify any person for whom there is a reasonable belief that the person has willfully disrupted the orderly operation of the campus, that consent to remain on campus has been withdrawn. If the person is on campus at the time, they must promptly leave or be escorted off-campus. If consent is withdrawn a written report must be promptly made to the President or designee.
7. The person from whom consent has been withdrawn may submit a written request for a hearing on the withdrawal within the period of the withdrawal. The request shall be granted not later than ten (10) business days from the date of the receipt of the request. The hearing will be conducted in accordance with the provisions of this administrative regulation relating to interim suspensions.
8. Any person as to whom consent to remain on-campus has been withdrawn who knowingly reenters the campus during the period in which consent has been withdrawn, except to come for a meeting or hearing, is subject to arrest. (Penal Code Section 626.4)
9. No Contact Order – An issuance that there should be no personal or interpersonal contact or communication between involved parties. This includes verbal and non-verbal communication.
10. Short-Term Suspension – Exclusion of the student by the Director of Student Development & Athletics or designee for good cause from one or more classes and/or from all activities of the College District for a period of up to ten (10) consecutive days of instruction.
11. Within five (5) business days after the student meets with the Director of Student Development & Athletics or designee, the Director of Student Development & Athletics or designee shall decide whether to impose

a short-term suspension, whether to impose some lesser sanction, or whether to end the matter. Written notice of the Director or designee's decision shall be provided to the student. The notice will include the length of time of the suspension or the nature of the lesser sanction. The Director of Student Development & Athletics or designee's decision on a short-term suspension shall be final.

12. Long-Term Suspension – Exclusion of the student by the Director of Student Development & Athletics or designee for good cause from one or more classes for the remainder of the school term and/or from all classes and activities of the College District for the remainder of the current term with a maximum of two (2) academic years.
13. Within five (5) business days after the student meets with the President/CEO or designee, the Director of Student Development & Athletics or designee shall, pursuant to a recommendation from the Director of Student Development & Athletics or designee, decide whether to impose a long-term suspension. Written notice of the President or designee's decision shall be provided to the student. The notice will include the right of the student to request a formal hearing before a long-term suspension is imposed, and a copy of this policy describing the procedures for a hearing.
14. Students who receive long-term suspensions are permitted on-campus to conduct student business but must receive permission from the Director of Student Development & Athletics or designee prior to coming to campus and must check-in with the College District's Police Department to obtain a police escort while on-campus.

Expulsion

Expulsion is the permanent separation of a student from Compton College by action of the Board of Trustees for good cause when other means of correction fail to bring about appropriate conduct, or when the presence of the student causes a continuing danger to the safety of others. The student is prohibited from College District property, functions, events, and activities. Permanent notification will appear on student's Compton College official transcript.

Within ten (10) business days after the student meets with the Director of Student Development & Athletics or designee, the Director of Student Development & Athletics or designee shall decide whether to recommend expulsion to the Board of Trustees. Written notice of the Director or designee's decision shall be provided to the student. The

notice will include the right of the student to request a formal hearing before expulsion is imposed, and a copy of this policy describing the procedures for a disciplinary hearing.

Disciplinary Hearing Procedures

1. Request for Disciplinary Hearing

Within five (5) business days after the receipt of the Director of Student Development & Athletics or designee's decision regarding a long-term suspension or expulsion, the student may request a formal hearing. The request must be made in writing to the Director of Student Development & Athletics or designee.

2. Schedule of Disciplinary Hearing

- a. The formal hearing shall be held no sooner than ten (10) to twenty (20) business days after a formal request for hearing is received by the Student Development Office (R61).
- b. the Vice President of Student Services or designee will inform the student of the hearing date and time by certified mail, return receipt requested, email to their Compton College issued email account, with delivery notification and or in person with signature verification of receipt at least five (5) business days prior to the hearing date. The notice will enclose a description of the procedures to be followed at the hearing.
- c. The student and the College have the right to receive copies of all documents that are to be presented to the Disciplinary Hearing Panel.
- d. The Disciplinary Hearing Chair shall provide the student copies of all documents to be presented to the Panel. The Chair shall make such documents available to the student as soon as practical before the hearing but not less than two (2) business days before the hearing.
- e. If the student intends to present any documents to the Disciplinary Hearing Panel they shall provide copies of the same to the Disciplinary Hearing Chair no less than two (2) business days prior to the hearing.
- f. If a student who has been given notice does not appear for the hearing, the information in support of the alleged violation(s) will be presented and considered in the student's absence. A student will be considered absent fifteen (15) minutes after the time the hearing was scheduled to convene.

3. Disciplinary Hearing Panel

- a. The Hearing Panel shall consist of the Vice President of Student Services or designee as the Disciplinary Hearing Chair and one representative from each of the following groups: (1) Academic Senate; (2) Classified Employees; Associated Student Government (ASG); and (4) College Administrators which may include College supervisors.
- b. An affirmative vote of three members of the Disciplinary Hearing Panel shall be required to determine responsibility and sanctions.
- c. The President/CEO or designee, the president of the Academic Senate or designee, the president of the Compton Community College Federation of Employees Classified Unit or designee, and the president of the Associated Student Government or designee shall each, at the beginning of the academic year, establish a list of at least five (5) persons who will serve on the Student Disciplinary Hearing Panel. The President/CEO or designee shall appoint the hearing panel from the names on these lists. However, no administrator, faculty member, classified staff member, or student who has any personal 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 Disciplinary Hearing Panel.

4. Disciplinary Hearing Panel Chair

The decision of the Chair of the Disciplinary Hearing Panel shall be final on all matters relating to the conduct of the hearing unless there is a vote by other members of the Panel to the contrary.

Conduct of the Disciplinary Hearing

All hearings shall be held in closed session and are confidential - they are not open to the public.

1. The members of the disciplinary hearing panel shall be provided with a copy of the complaint(s) against the student and any written response provided by the student before the hearing begins.
2. The facts supporting the accusation shall be presented by a College representative who shall be the Director of Student Development & Athletics or designee.
3. The College representative and the student may call witnesses and introduce oral and written testimony relevant to the issues of the matter.

4. Formal rules of evidence shall not apply. The standard of proof for Student Disciplinary Hearings will be a preponderance of evidence.
5. Unless the Disciplinary Hearing Panel determines to proceed otherwise, the College representative and the student shall each be permitted to make an opening statement. Thereafter, the College representative shall make the first presentation, followed by the student. The College representative may present rebuttal evidence after the student completes their evidence. The burden shall be on the College representative to prove by preponderance of evidence that the facts alleged are true.
6. The student has the right to be assisted in the hearing by an advisor. The advisor may provide counsel or support to the student but are not permitted to speak to the Panel or participate directly in the hearing. Advisors who do not observe this restriction can be removed from the hearing by the Chair of the Disciplinary Hearing Panel.
7. If the student is a minor, the student's parent(s) or legal guardian must accompany them to the disciplinary hearing and may act on their behalf.
8. Witnesses shall not be present at the hearing when not testifying.
9. The student and the Vice President of Student Services or designee may arrange for witnesses to present pertinent information to the Disciplinary Hearing Panel. Witnesses will provide information to and answer questions from the Disciplinary Hearing Panelists. All questions and responses are to be directed to the Panel, preferably the Chair, not between witnesses, complainant, and accused student.
10. If the complainant is unable to attend the hearing, their written statement will stand as their testimony.
11. The student and their advisor, if any, will be allowed to attend the entire portion of the hearing at which information is received, excluding deliberations of responsibility or sanctioning.
12. Should a student have an attorney present to advise them, the student must notify the Vice President of Student Services or designee in writing at least five (5) business days prior to the Disciplinary Hearing of their intent to bring an attorney.
 - a. The student discipline process is an administrative process, not a court-like trial or proceeding. Attorneys are allowed to serve as advisors in meetings, interviews, or hearings but may not speak

- on behalf of the complainant or accused student or speak to the Vice President of Student Services or designee during the meeting, interview, or hearing. If complainants or accused students bring an attorney to a meeting, interview, or hearing, College personnel may request legal assistance.
13. In hearings involving more than one student in the same situation, the Vice President of Student Services or designee may permit the hearings concerning each student to be conducted jointly.
 14. Supporting documentation, including pertinent records, exhibits and written statements may be accepted as information for consideration at the discretion of the Chair. Prior student conduct violations may be considered in a hearing and for determination of sanctions.
 15. Questions of whether potential information will be received will be resolved at the discretion of the Chair. All procedural questions are subject to the final decision of the Chair.
 16. The Panel will determine whether the student is responsible for violating each section of the Standards of Student Conduct which the student is accused of violating. The Panel's determination will be made on the basis of whether it is more likely than not (preponderance of evidence) that the student violated the Standards of Student Code. The Panel will then determine what sanctions they deem appropriate for such violations.
 17. Hearings (excluding deliberations) will be audio-recorded and made a part of the student's conduct file.
 18. The Chair will prepare a written report detailing the finding, the vote, the information cited by the Panel in support of its findings and any information the Panel excluded and why, concluding with any recommended sanctions. The Chair will forward this document to the Director of Student Development & Athletics or designee within five (5) business days upon the conclusion of the hearing.
3. Each party has the right to be present for all testimony and questioning. However, if requested, the Hearing Panel must make arrangements so that the complainant and accused are not in the same room at the same time.
 4. The College must not require a complainant to be present as a prerequisite for the hearing to proceed or sanctions imposed.
 5. Neither party is allowed to cross-examine each other or witnesses. All questions must be submitted to the Hearing Panel Chair.
 6. Both parties have the right to appeal the decision of the Panel.
 7. The hearing shall be recorded by the College District by tape recording and shall be the only recording made. No witness who refuses to be recorded may be permitted to give testimony. In the event the recording is by tape recording, the Hearing Panel Chair shall, at 11 the beginning of the hearing, ask each person present to identify themselves by name, and thereafter shall ask witnesses to identify themselves by name. The tape recording shall remain in the custody of the College District at all times, unless released to a professional transcribing service. The student may request a copy of the tape recording.

Special Provisions for Sexual and Gender-Based Misconduct

Cases of alleged sexual and gender-based misconduct as defined in Board Policy 3540 and Administrative Regulation 3540 will be directed to the Title IX Coordinator for review and investigation. The Title IX Coordinator will work in coordination with the Director of Student Development & Athletics or designee to address any violations to the Standards of Student Conduct that are in addition to the allegations of sexual and/or gender-based misconduct as outlined below.

Sexual and gender-based misconduct includes, but is not limited to:

Additionally:

1. Complainants are to be notified when written notice of the allegation/hearing is delivered to the accused student.
 2. All parties to an allegation have a right not to face questions or discussion of their history or character unless the Hearing Panel Chair determines that such information is highly relevant to determining whether the policy has been violated.
1. Bullying
 2. Dating Violence
 3. Discrimination
 4. Domestic Violence
 5. Intimidation
 6. Retaliation
 7. Sexual Assault
 - a. Non-consensual sexual contact
 - b. Non-consensual sexual intercourse
 8. Sexual Exploitation
 9. Sexual Harassment
 - a. Hostile environment caused by sexual harassment

10. Stalking
11. Threatening or causing abuse including physical and verbal
12. Violence between those in intimate/dating relationships to each other

Notice of the Decision

The Vice President of Student Services or designee shall provide the student written notice of the final resolution of charged violation(s). The written notice shall be sent to the student by certified mail, return receipt requested, or receipted for personal delivery or via Compton College issued email account with delivery notification, within five (5) business days of the written findings and decision of the Student Disciplinary Hearing Panel. In cases alleging gender-based or sexual misconduct, the complainant will receive comparable notice of the relevant findings and sanctions from the Title IX Coordinator or designee.

1. The written notice to the student shall include:
 - a. The specific provision of the Standards of Student Conduct that was violated.
 - b. The sanction(s) imposed and the date(s) on or periods for which they are in effect.
 - c. A statement of the student's right to appeal in writing to the President/CEO.
2. A statement that the failure to file a request for such an appeal within the time provided shall be deemed a waiver of the right to an appeal.

Appeals to The President/CEO or Designee

An appeal to the President/CEO or designee as a result of a Student Disciplinary Hearing Panel may be filed on the following grounds:

1. Proper procedures were not followed
2. There is new relevant evidence not reasonably available at the time of the hearing or the imposition of the sanction(s)
3. The evidence does not clearly support the finding(s)
4. The sanctions are inappropriate relative to the violation
5. Discrimination as defined in Board Policy 3410 and Administrative Regulation 3410

In cases alleging a violation of gender-based or sexual misconduct, both the accused student and the complainant have the right to appeal the findings of responsibility and/or sanctions based on the above criteria.

An appeal must be submitted in writing to the President/CEO or designee within five (5) business days of receiving written notification of the hearing decision. The President/CEO or designee will review

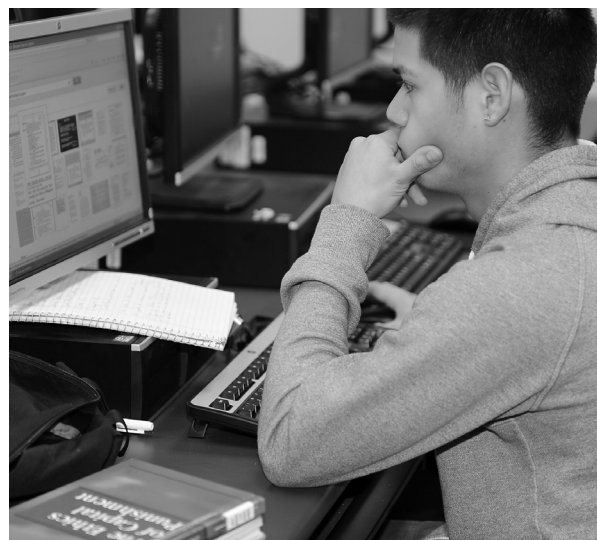
the appeal and the hearing findings and may make a decision to uphold, reverse, revise, or modify the decision and sanctions imposed on the student. The President/CEO or designee will notify the student in writing by certified mail, with registered receipt, or via Compton College issued e-mail account with delivery notification within ten (10) business days following receipt of the request for appeal of their decision.

The decision of the President/CEO or designee shall be final, except in the case of expulsion.

Procedures for Expulsion

The Board of Trustees is authorized to expel a student for good cause when other means of correction fail to bring about proper conduct or when the presence of the student causes a continuing danger to the physical safety of others. The notice of expulsion will be sent to the student with copies to the student file, Director of Student Development & Athletics or designee, Vice President of Student Services or designee, Director of Admissions & Records or designee, President/CEO or designee, and College District's Police Department. In the event the Vice President of Student Services or designee has determined that they will seek a student's expulsion, the following procedures will be followed:

1. Recommendation for Expulsion:
 - a. If the Vice President of Student Services or designee determines that the student should be expelled, they shall deliver a written recommendation for the student's expulsion to the President/CEO. A copy of the Vice President of Student Services or designee's recommendation



shall be provided to the student or, if the student is a minor, to their parent or guardian. The Vice President of Student Services or designee's recommendation for expulsion shall contain a statement of the charges against the student that provide the basis for their request that the student be expelled, including a factual description of the conduct upon which the charges are based, the action(s) taken by the Student Conduct Administrator and the recommendation of the Student Disciplinary Hearing Panel.

- b. The Board of Trustees shall consider any recommendation from the President/CEO for expulsion at the next regularly scheduled meeting of the Board of Trustees after receipt of the recommended decision. The Board shall consider any expulsion recommendation in closed session, unless the student has requested that the matter be considered in a public meeting in accordance with these procedures (Education Code Section 72122).
- c. The student shall be notified in writing, by registered or certified mail, by personal service, or via Compton College issued email account with delivery notification at least five (5) business days prior to the meeting, of the date, time, and place of the Board of Trustees' meeting. The student may, within forty-eight hours (48) after receipt of the notice, request that the hearing be held as a public meeting. Even if a student has requested that the Board consider an expulsion recommendation in a public meeting, the Board will hold any discussion that might be in conflict with the right to privacy of any student other than the student requesting the public meeting in a closed session.
- d. The Board may accept, modify, or reject the findings, decisions, and recommendations of the President/CEO. If the Board modifies or rejects the decision, the Board 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 Board shall be final. The final action of the Board on the expulsion shall be taken at a public meeting and the result of the action shall be a public record of the College District.
- e. The Vice President of Student Services

or designee shall notify the student in writing within five (5) business days of the decision made by the Board of Trustees. The decision of the Board of Trustees shall be final.

- f. The final action by the Board of Trustees on the expulsion shall be taken at the public meeting, and the result of the action shall be a public record of the District.

General Provisions

1. Failure of Student to Participate

Student conduct procedures under this policy may proceed or continue notwithstanding the failure or refusal of a student to respond, attend, or otherwise participate after having been properly notified of the proceeding as provided herein.

2. Technical Departures from this Policy

Technical departures from this policy shall not be grounds to void the District's right to take disciplinary action against a student, unless the technical departure or error prevented a fair determination of the issue.

3. Time Limits

Any times specified in this administrative procedure may be shortened or lengthened if there is mutual concurrence by all parties.

Notice of Non-Discrimination

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

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

The Compton Community College District has identified the Vice President of Human Resources to the State Chancellor's Office and to the public as the single District officer responsible for receiving all unlawful discrimination complaints filed pursuant to Title 5, section 59328 of the California Code of Regulations 1, and for coordinating their investigation. The District's Director of Diversity, Compliance and Title IX coordinates its efforts to

comply with and carry out its responsibilities under Title IX of the Education Amendments of 1972 and its regulations. Students, including students of Compton College, employees, and others affiliated with the District may use the procedures described herein to make a complaint of noncompliance with Title IX.

Applicable Administrative Regulations:

- AR 3410 - Nondiscrimination
- AR 3435 - Discrimination and Harassment Complaints and Investigations

Unlawful Discrimination Complaints

The College affirms its policy to provide an educational and employment environment in which no person shall be unlawfully denied admission, access, or benefit to, nor employment in any program or activity that is administered, funded directly by, or that receives any financial assistance from the State Chancellor or Board of Governors of the California Community Colleges on the basis of race, color, national origin, sex (including sexual harassment), gender, disability, and age as required by Title VI, Title IX, Section 504, the Age Discrimination Act. Students or employees with questions, concerns or complaints of unlawful discrimination may contact and/or file a complaint with these offices.

Students and employees may file an official complaint with the appropriate offices or agencies to initiate a Compton College discrimination investigation:

- **Compton College responsible District officer and Title IX Coordinator:**
Tina Kuperman
Director, Diversity, Compliance and Title IX 310-900-1600, ext. 2144
(Students/Employees)
- **California Community Colleges System Office**
Attention: Legal Affairs Division
1102 Q Street, Sacramento, CA 95814-6511
(Students/Employees)
- **U.S. Department of Education, Office for Civil Rights**
50 Beale Street, Suite 7200 San Francisco, CA 94105 (Students)
- **California Department of Fair Employment and Housing**
611 W. Sixth Street, Suite 1500 Los Angeles, CA 90017 (Employees)
- **U.S. Equal Employment Opportunity Commission**
255 E. Temple Street, 4th Floor, Los Angeles, CA 90012 (Employees)

Reporting of Crimes

Board Policy 3515

The Chief Executive Officer (CEO) shall assure that, as required by law, reports are prepared of all occurrences reported to campus police of and arrests for crimes committed on campus that involve violence, hate violence, theft or destruction of property, illegal drugs, or alcohol intoxication.

The CEO shall further assure that required reports of non-criminal acts of hate violence are prepared. Such reports shall be made available as required by law. The crime report information required by PL 101-542 & PL 102-26 will be collected and distributed annually.

Annual Security Report

In accordance with the requirements of the Jeanne Clery Disclosure of Campus Security Policy and Crimes Statistics Act, Compton College is required to publish and distribute an annual security report containing campus security policies and procedures as well as campus crime statistics. The security report will include data on arrests and crimes committed on campus or at campus-sponsored events. In addition, other information related to reporting crimes or suspicious behavior; describing campus security and crime prevention programs and materials; and the College's substance abuse education program will be included for distribution. Information is available on the College website: www.compton.edu/adminandoperations/campuspolice/CampusSecurityStatistics.aspx. These materials will be distributed annually to all employees and students, and be available upon request to applicants for enrollment or employment.



Student Success and Learning Support Student Support Services

Associated Student Government (ASG) Student Discounts

All students who pay the Student Activities Fee will receive the ASG sticker for their student ID cards at the Bursar's Office. All students may obtain a free Compton College student ID card at the Office of Student Development in Room R-61. The ASG sticker offers a variety of on-campus benefits including free access and discounts at ASG-sponsored events and free admission to all campus athletic events.

Funds from the Student Activities Fee help support cocurricular activities including, but not limited to, athletic teams, and student government. The \$10 Student Activities Fee will be collected during primary terms (fall and spring). A student may decline the Student Activities Fee when enrolling for classes. If the student does not decline during enrollment, the Student Activities Fee will be assessed and collected. The Student Activities Fee is nonrefundable after the second week of the semester.

Bookstore Services

The Compton College Bookstore is located between the Office of Student Life and the Cafeteria. The Bookstore is open Monday through Thursday throughout most of each semester. During the first two weeks of the fall and spring semesters and the first week of short-term sessions, the Bookstore will be open for extended hours.

The Bookstore accepts Visa, MasterCard and Discover. Personal checks are accepted for the amount of purchase, dated for the date of purchase and presented by the account holder only; no parental or third-party checks accepted. Students are responsible for following the refund policy found at the Bookstore and in the Office of Student Life.

The Bookstore conducts Textbook Buyback during the first and last week of the fall and spring semesters. Students can receive up to 50% of the purchase price if the textbook has been requested for a future semester; the book is not sold as new-only (fill-in or perforated pages); and the Bookstore needs additional copies.

Bursar's Office

The Bursar's Office is located at C-36 and is open from Monday through Thursday, 9:00 a.m. to 5:00 p.m. and Friday, 9:00 a.m. to 1:00 p.m. During the summer session, the Bursar's Office is open from Monday through Thursday, 8:00 a.m. to 6:00 p.m. and is closed on Friday. Compton College students may pay fees and purchase parking permits and Associated Student Government (ASG) stickers at the Bursar's Office.

CalWORKs/TANF/GAIN Services

CalWORKs is the community portion of the California Work Opportunity and Responsibility to Kids Act, which is a welfare reform program established by Assembly Bill (AB) 1542. The program operates as a partnership with the County of Los Angeles, local businesses, and government agencies. CalWORKs funds are for the purpose of assisting single parents who are receiving Temporary Assistance for Needy Families (TANF) and those in transition from welfare to achieve long-term self-sufficiency through coordinated student services. Assistance is provided to eligible students so they can obtain their educational degrees and certificates while earning extra money and gaining valuable work experience that leads to sustainable employment.

Program Eligibility Criteria:

1. Major or certificate program in a career field with a good economic forecast as approved by Los Angeles County Department of Public Social Services.
2. Full-time or part-time student or approved exemption. Signed contract with Compton College and County of Los Angeles: Proof of eligibility is required each semester.
3. Participation in required hours of academic and work activity (32 hours weekly).
4. Class Instruction
5. Instructional labs (optional)
6. Work activity related to major (optional); meaningful part-time employment or community service.
7. Satisfactory academic progress in classes – good progress toward completion of a degree or certificate.

Services Offered: Priority Registration

Child Care Assistance: Referrals are available for students not yet eligible for assistance through Child Care Resource and Referral Agencies in partnership with Los Angeles County.

Liaisons with GAIN Service Workers from Department of Public Social Services (DPSS); Regions IV, V, and VI are available.

Career Counseling: Assessment is available to help each student choose a career that fits personal interests and abilities.

Academic Advisement and Assistance: Educational plans are required and developed for students on an individual basis. The plans are designed to guide

the student through each semester of the training program.

Tutorial and remedial support is available as needed.

Work Activity Referral: The CalWORKs Work Activity Program assists CalWORKs recipients to comply with a combination of 32 hours of academic coursework, work activity, laboratory time, structured internships, or other activities, which will lead to proper preparation for their career. The program is funded through the California Community College State Chancellor's Office and pays for a percentage of the student's wages.

Payment of Books and Supplies: Assistance with the preparation and submission of GAIN Ancillary Requests to pay for all required educational expenses including books, supplies and fees.

Employability Skills Training, Clothing Allowance, Transportation and Job Search: Opportunities are provided through Human Development classes, workshops, and individual guidance by CalWORKs for part-time and permanent placement. Employment is available on and off campus and in coordination with the Financial Aid Office. A clothing allowance for workplace attire and transportation assistance is also provided to eligible students.

For additional information about our CalWORKs program, please call 310-900-1600, ext. 2071, 2072 or visit the CalWORKs office in VT 153.

Child Development Center

The Abel B. Sykes Jr. Child Development Center accepts applications for enrollment of infants, toddlers, and preschool children. If you are a student or an employee of Compton College, you may be eligible for FREE or low-cost childcare.

For additional information about the Abel B. Sykes, Jr. Child Development Center, please call 310-900-1600, ext. 2902 or visit the office in Building T.

Cooperative Agencies Resources for Education (CARE)

CARE is a state-funded, supplemental component of EOPS designed to provide educational and career support services and activities for single parents who are academically under-prepared and receiving cash-aid assistance.

CARE Eligibility Requirements

To be eligible for CARE, a student must:

- meet all EOPS eligibility requirements
- receive Cash Aid/Temporary Aid for Needy Families (TANF)
- have at least one dependent child

- be the single head of household and at least 18 years of age

CARE Services:

- All EOPS services
- Additional Book Voucher
- Transportation Assistance
- "CARE for Kids" Holiday Celebration
- Student enhancement workshops
- Educational Supplies
- Fall and Spring Mini Conference
- Direct Student Grants
- Networking Activities
- Childcare Referrals

To apply for CARE you can visit our webpage: www.compton.edu/student services/eops/index to:

1. Submit an online EOPS Application
2. Attend a new Student Information/Recruitment session
3. Chat with a EOPS/CARE Team member through Cranium Café
www.compton.edu/student services/eops/chat_with_eops

Student Responsibilities

Students participating in CARE are required to: meet all EOPS student responsibilities, attend the CARE Mini Conference, and submit a Verification of Benefits every semester.

For more information about the EOPS/CARE program, please call 310-900-1600, ext. 2912 or visit the office in Building U-6.

Counseling Services

Counseling services are made available to students through scheduled appointments. Appointments to meet with a counselor are made one week in advance. You can make an appointment online, www.compton.edu/student services/support services/counseling/. A student who has selected a major area of study is strongly encouraged to see one of the counselors assigned to that Guided Pathway Division. An undeclared or undecided student may see any counselor.

As an integral part of student success, counseling services are designed to assist students in clarifying career and life goals and in developing an appropriate course of study based on a student's aptitudes, interests, and goals.

Drop-in advisement is normally available Monday, Tuesday, and Thursday, 8:00 a.m. to 4:30 p.m.; Wednesday 8:00 a.m. to 6:30 p.m.; and Friday, 8:00 a.m. to noon for students who have questions

that do not require transcript review. The drop-in advisement schedule is subject to change based on counselor availability. Please call in advance for the daily schedule.

For more information about Counseling Services, please call 310-900-1600, ext. 2076 or visit the office in the Administration Building.

Extended Opportunity Programs and Services (EOPS)

EOPS is a state-funded program designed to assist low-income and educationally disadvantaged students achieve their educational and career goals at Compton College. The purpose and the mission of EOPS is to help students succeed, graduate with a certificate and/or degree, transfer to a four-year institution, be competitive in the workforce, and increase retention and enrollment.

EOPS Eligibility Requirements

To be eligible for EOPS, a student must:

- be a California Resident or qualify for AB540 Exception Waiver
- be enrolled in 12 units have completed less than 70 degree-applicable units
- demonstrate financial need by qualifying for the California Promise Grant
- display an educational disadvantage in one of the following areas:
 - did not graduate from high school
 - a high school graduate with GPA below 2.5
 - prior enrollment in remedial courses
 - other factors as determined by the EOPS director

EOPS Benefits and Services

EOPS helps students to reach their goals by providing services that go above and beyond what the college offers, including but not limited to:

- priority registration
- new student orientation
- book voucher – summer, fall, and spring
- academic, career, and personalized counseling
- student enhancement workshops
- early academic intervention
- educational supplies
- direct student grants
- laptop loan program
- transportation assistance

EOPS Admission Steps

To apply for EOPS you can visit our website <http://www.compton.edu/student-services/eops/index.aspx> to:

1. Submit an online EOPS Application

2. Attend a new Student Information/ Recruitment session
3. Chat with a Team member through Cranium Café http://www.compton.edu/student-services/eops/chat_with_eops.aspx

Student Responsibilities

Students participating in EOPS are required to: submit an EOPS Application; complete an EOPS Mutual Responsibility Contract (MRC); complete a Comprehensive Student Educational Plan; maintain academic progress towards a certificate, associate degree, or transfer goal; attend EOPS Orientation; meet with an EOPS Counselor three times per semester; maintain a semester GPA of 2.0 or higher and complete at least 67% of coursework each semester.

For more information about the EOPS/CARE program, please call (310) 900-1600 ext. 2912 or visit the office the in Building U-6.

Health Center

The Health Center is located in M-4, near Campus Police and the Gym.

The Health Center is staffed by nurse practitioners, medical assistants, and clinical staff.

Some of the free services provided are non-emergency care and treatment, first aid, family planning, skin condition exams, and health education. Lab services such as Pap smears, blood tests, or pregnancy tests are also available. Vaccinations for the flu and hepatitis, as well as a few others, are available at an additional cost.

The Health Center services are provided for students 18 years of age or older who pay the mandatory health fee. High school students permitted to attend the college on a concurrent enrollment basis are not eligible for health services. College students under 18 years of age subject to other admissions criteria must pay the health fee and submit a parental or guardian consent form to receive health services.

Photo Identification Card

All students are required to obtain a free Compton College identification card. These cards are available in the Office of Student Life located in Room R-61. The hours are Monday- Thursday 8:00 a.m. to 6:00 p.m. and Friday, 8:00 a.m. to noon.

The identification card serves as photo identification and is required for Library services, campus activities, access to the Student Success Center and Open Computer Labs, and to verify attendance in classes.

Special Resource Center

Compton College is committed to students with disabilities and their right to an equal educational experience. Students are encouraged to use services as a way to gain equal access and full integration into all aspects of college life. Persons with disabilities that affect one or more major life functions, resulting in an identified educational limitation, may be eligible for any number of support services provided through the Special Resource Center.

Disabilities Served

Compton College serves students with a variety of disabilities, including, but not limited to:

1. Acquired Brain Injuries (ABI)
2. Deaf/Hard of Hearing (DHH)
3. Learning disabilities
4. Physical or orthopedic
5. Visual
6. Autism
7. Attention Deficit Hyperactivity Disorder (ADHD)
8. Psychological Disabilities
9. Health Impairments

The main office is located in Room VT 109 and the High Tech Center is located in Room VT 226-B. The High Tech Center is a computer lab available to SRC students to complete assignments and by referral for prescribed accommodations. These services may include assistive software technology, testing accommodations, equipment loans, and alternative media support for course materials.

Some of the general services available are:

1. Program Orientation
2. Campus and Community Referrals
3. Counseling and Career Advisement
4. Educational Plans and Academic Support
5. Accessible Parking
6. Interpreter Services
7. Real Time Captioning
8. Liaison with Faculty and Staff
9. In-class Note Taking
10. Assistive Technology
11. Educational Assistance Classes
12. Priority Registration
13. Test Accommodations
14. Tutorial Assistance

For more information about the Special Resource Center, please call 310-900-1600, ext. 2402, 2409 or visit Room VT 109 or VT 226-B.

Student Equity and Achievement Program

The Student Equity and Achievement (SEA) Program supports all students in their path to success. Tutoring, mentoring, internships, and

transfer assistance for STEM majors, and help with basic needs like food and housing resources are all available through SEA initiatives. SEA includes Compton College's Formerly Incarcerated Students in Transition (FIST) program, as well as the Tartar Food Pantry and the STEM Center, among many other events and opportunities designed for student personal and professional development.

Transcript of Compton College Record

A transcript of the student's academic record at Compton College will be furnished upon request by the student only, in person at the Admissions and Records Office or online at <http://www.compton.edu/student-services/admissionandrecords/transcripts.aspx>. Academic work completed at other colleges will not be included on or with the Compton College transcript. Academic transcripts and documents from other colleges must be requested from those colleges. The first two Compton College transcripts are free. Note: A delay in mailing the transcript may result if a student has outstanding fees or fines against their record (library, laboratory, physical education locker, supplies or returned checks).

Transfer & Career Center

The Transfer and Career Center offers students a one-stop location to explore transfer options and different careers.

The mission of the Transfer & Career Center is to strengthen the transfer and career function at Compton College by offering activities that increase student awareness of transfer and career opportunities so that more students are prepared to transfer to four-year colleges and universities. Students have access to counseling, workshops, links to career pathways, career preparedness, effective job/college searches, partnerships with colleges and employers, university tours, and transfer agreements. Assistance is also available on the following topics: resume writing, interview skills, how to dress for success, and how to find and land a job.

For more information about the Transfer & Career Center, please call 310-900-1600, ext. 2764 or visit the office in the D-29.

Veterans and Service Members

Compton 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, 1607, 30, 31, 32, 33 and 35. The College is also approved to participate in the Cal-Vet Fee Waiver program.

Veterans and/or dependents who plan to enroll in Compton College and need assistance with their education benefits must visit the Veterans Resource Center (VRC) in room F-19. Bring your DD214 and Certificate of Eligibility (COE), and pick up an intake packet from the VRC.

The Veterans Resource Center works closely with Admissions and Records, Academic Counseling, Financial Aid, and various Veteran agencies to provide services for a successful educational experience.

Contact the Veterans Resource Center for information regarding:

- Priority Registration
- GI Bill and educational benefits
- U.S. Vets "Outside the Wire" program
- Academic Counseling
- Compton College Veterans Organization
- CalVet Fee Waiver program
- Tuition Assistance
- Vet-to-Vet Tutoring
- Vet-to-Vet Mentorship Program

Veterans Resource Center

(310) 900-1600
Room F-19

Giselle Gamino

Financial Aid Coordinator/Certifying Official Office of Financial Aid & Scholarships
Compton College
310-900-1600 ext. 2925

DISABLED VETERANS

Veterans who qualify for educational benefits as disabled veterans may be entitled to special educational benefits. Veterans should contact the Compton College Special Resource Center and:

VA Regional Office

Federal Building
11000 Wilshire Blvd.
Los Angeles, CA 90024-3602
800-827-1000
FAX 310-235-6640

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 in room F-19.
Call 310-900-1600 ext. 2925.

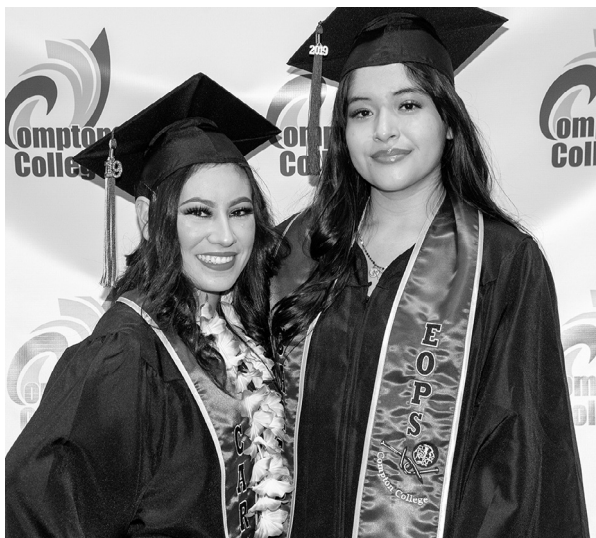
Welcome Center

The Welcome Center maintains a student-first philosophy to assist students as they transition to college. The Welcome Center offers a wide array of student services designed to accommodate students' needs in a one-stop location that promotes student success and retention in a nurturing and welcoming environment. It supports new and continuing students to live choice-filled lives by providing holistic support. The Welcome Center offers a wide array of student services designed to accommodate students' needs in a one-stop location that promotes student success and retention in a nurturing and welcoming environment.

The Welcome Center provides students with Guided Pathway Division information regarding college programs and access to computers. It also provides students with quick access to academic schedules, registration forms, student support program referrals, and various campus publications such as the catalog, schedule of classes, and Compton College maps.

All visitors are encouraged to stop by the Welcome Center to pick up a Compton College map and information about the academic opportunities available for students and members of the community.

For more information on the Welcome Center, please call 310-900-1600, ext. 2765, welcomecenter@compton.edu or visit Room D-27.



Library

The Library, located on the first floor of the building, is open to the public; however, only currently enrolled Compton College students may check out materials. Also available: library research instruction, library reference services, and group study rooms. During the fall and spring semesters, the library is open Monday through Thursday, 9:00 a.m. to 7:00 p.m., Friday, 9:00 a.m. to 2:00 p.m., and Saturday, 9:00 a.m. to 2:00 p.m. These hours are subject to change. Please visit <http://www.compton.edu/library/> for the most current hours of operation. The summer session hours vary (please call the library for these hours). The library is closed when classes are not in session. For additional information, call the Compton College Library at 310-900-1600, ext. 2175.

The library collection includes print books, e-books, audio and video titles, periodicals, and subscriptions to about 42 online computer databases. The Textbook Reserve Collection provides materials for use within the library.

Archive Collection

The archive collection contains photographs, documents, memorabilia, and everything related to the history of Compton College from 1927 to the present.

Art Gallery

Open to the public, the Art Gallery presents a rotating series of exhibits and collections on loan from other institutions as well as student art shows.



Student Success Center (SSC)

The Student Success Center is located on the second floor, where students have access to three drop-in tutorial centers, including general tutoring, a Math & Science Center, Reading and Writing Center, Faculty Innovation Center, and a new computer lab. The Student Success Center also offers an Embedded Coach program, online tutoring, Directed Learning Activities (DLA), academic skills workshops, and web-based foundational math and English curriculum (EdReady). During the fall and spring semesters, the centers are open Monday through Thursday, 9:00 a.m. to 7:00 p.m., Friday, 9:00 a.m. to 2:00 p.m., and Saturday, 9:00 a.m. to 2:00 p.m. (hours may vary). Please refer to the SSC website: <http://www.compton.edu/library/ssc/> to schedule in-person tutoring reservations, and more information regarding the online tutoring schedule. The summer session hours vary (please call the Student Success Center's front desk for these hours). The Student Success Center is closed when classes are not in session. For additional information, call the Compton College Student Success Center at 310-900-1600, ext. 2535. All services are FREE to registered Compton College students.

Academic Tutoring

Tutoring is free and available to all Compton College students. The tutorial program is certified through the highly recognized College Reading and Learning Association. Tutoring is available in various subjects such as anatomy, math, nursing, English, chemistry, Spanish, physiology, English as a Second Language (ESL), and many others. Tutoring sessions are available online, and in-person tutoring is available by appointment.

Math & Science Center

The Math & Science Center provides free group tutoring on a drop-in basis by trained peer tutors and adjunct faculty tutors. The Math & Science Center sponsors programs to further assist math students. The Math Workshop Series is a set of one-hour workshops presented by tutors covering topics from basic math to college algebra.

The Math & Science Center assists students with the following:

- Understanding key concepts
- Reviewing chapter content
- Building stronger math/science study skills
- Guiding students through solving math and science problems

All tutoring is conducted in a group-setting environment and collaborative learning is encouraged.

Reading and Writing Center

The Reading and Writing Center provides free tutoring on a drop-in basis. Tutors assist students in deciphering writing tasks, organizing reading/writing assignments, and developing content and critical thinking. While the tutors do not provide copy editing services, the tutors do assist students in identifying and correcting specific grammatical errors. In addition, the center provides a workshop series presented by a faculty tutor. This series provides focused instruction on particular skills and reading/writing tasks, from fragment identification to scholarship essays.

Learn How to Be a Successful Reader

Our reading and writing tutors will work with students to help them become better readers. Students will learn reading strategies that will not only help in current classes, but throughout all academic endeavors and beyond. Simply drop in. There is no need to schedule an appointment. All reading and writing tutors are available to help online, and in-person tutoring is available by appointment.

What to Bring

For help with a specific class, bring a textbook or novel, supporting articles/notes, and course syllabus. Also, do not forget your student ID.

Embedded Coach Program

The Embedded Coach program combines in-class tutoring and out-of-class review sessions for students enrolled in selected courses. The Embedded Coach program is modeled after Supplemental Instruction (SI), which is used at colleges and universities throughout the country. The SI method has been proven to help increase student understanding of course material and raise grades.

Attendance at Embedded Coach review sessions is voluntary. Students have an opportunity to compare notes, discuss important concepts, study for tests, and develop strategies for studying and learning.

An Embedded Coach facilitates the review sessions. The Coach is an exemplary student who has previously taken the course with a grade of A or B.

What can you expect from your Embedded Coach?

- Attends class along with the students
- Is trained in the most effective learning and study strategies
- Operates as a model student and relays tips on the most effective study skills
- Integrates "how to learn" with "what to learn" in SI classes
- Provides leadership structure

to the study session

- Is a facilitator for the grade-raising collaborative learning strategies
- Models critical thinking and problem-solving techniques
- Empowers students to become independent learners

SSC Computer Lab

Student Lab

Compton College has a sophisticated central instructional computer facility, which includes state-of-the-art computers connected to the Compton College network. The multidisciplinary lab is designated for registered Compton College students. This computer lab contains 100 personal computer systems, interconnected via a high-speed, Ethernet network. The lab offers a wide array of software, including the latest packages for word processing, desktop publishing, and other applications.

A valid Compton College email address and password are required to use and access any of the computers in the computer lab. All computers have student network access to pay for print, email, and the internet. Instructional assistants are available to provide any instructional support to students during the hours of operation.

Faculty Innovation Center

The Faculty Innovation Center (FIC) is dedicated to maximizing the effectiveness of Compton College's instruction, research, and outreach endeavors through collaboration and technology expertise. The FIC provides high-quality instructional technology to support pedagogy and research. The Center's services for faculty include a meeting area and four computer stations connected to the College's network for web conferencing, web applications, classroom preparation, printing, scanning and faxing access. Instructors participating in Learning Communities, Embedded Coach, and Team Learning can reserve the FIC for meetings and program planning at the front desk.

The Student Success Center (SSC), located on the second floor of the Library - Student Success Center, provides tutoring and academic support services for all registered students attending Compton College. The center strives to provide assistance to both students and instructors in the learning process. All SSC services are designed for instructional support and reinforcement. All tutoring sessions are provided on a drop-in basis, no appointment is necessary. All tutoring schedules are posted on the SSC webpage at the beginning of each semester.

The following services are provided:

- Study skills workshops –workshop schedules are typically posted on the SSC webpage at the beginning of each semester.
- Academic resources – a wide range of software that deals with a variety of subjects are available for use in the SSC for independent study.
- Computer Lab– lab computers are available for internet access, word processing, academic research, and printing of assignments.
- Math/Science Center
- Reading/Writing Center
- General Tutoring
- NetTutor Online Tutoring service
- EdReady Math and English Support
- Embedded Coach Program
- Supplemental learning Associate (SLA) Program

STEM Center

The STEM Center provides support to students who are majoring in mathematics, physics, engineering, biology, and physical sciences so they can excel academically and transfer to four-year institutions.

Student Eligibility:

Declare a transfer major in math or science-based field.

WHAT DOES THE STEM CENTER OFFER?

- Study Center
- Tutoring and Academic Excellence Workshops in mathematics, physics, and chemistry
- Access to Books & Computers
- Career planning and assistance with the transfer process
- Internship support
- Professional Development Workshops
- Field trips, tours and other STEM-related activities

How to apply to the STEM Center:

Stop by the STEM Center located in L-SSC 221 inside the computer lab and submit an intake form.



Other Academic Programs

Alpha Gamma Sigma

To help students further develop their leadership skills, a chapter of the Alpha Gamma Sigma (AGS) Honor and Scholarship Society was established at Compton College in 2011. In addition to supporting the academic endeavors of its members through study groups, tutorials and scholarship opportunities, the Alpha Gamma Sigma Honor and Scholarship Society offers ways to gain leadership positions, participate in community service, and meet other students with similar academic interests.

Distance Education

Compton College offers Distance Education courses that may be taken online. Distance Education courses are ideal for students who desire a more flexible class schedule. The college offers two types of distance education courses: hybrid or fully online. Hybrid courses are a combination of online and in-person instruction.

Students may find distance education courses in the schedule of classes and register for them through their My Compton portal via www.compton.edu.

For more information, contact us at Distance_ed@compton.edu, visit us in-person at the Distance Education Office located in Room VT 212A, call us at 310-900-1600, ext. 2265, or visit our website at www.compton.edu/academics/distance-ed.

First Year Experience (FYE)

Starting a new educational journey can be exciting and overwhelming. Whether you are transitioning from high school or returning after a few years of working, there are so many decisions to make and challenges to face. The First Year Experience program is designed to help first-time college students be successful in their first year of college life by providing a supportive, caring environment of educational and career services. The following services are provided to students in the First Year Experience Program:

- Early Registration
- Guaranteed Linked Courses
- FYE Faculty
- Ongoing Counseling Support
- Learning Community Model
- Strategies for Success in College
- Field Trips
- Peer Mentors

For more information about the First Year Experience Program, please call 310-900-1600, ext. 2758 or visit the office in F-19.

Honors Program

The Honors Transfer Program (HTP) at Compton College is designed to better prepare the highly motivated student to complete a bachelor's degree. The HTP provides a unique learning environment that stresses academic excellence and develops the awareness necessary to achieve this goal. The major objective of the program is to prepare students to transfer by focusing on advanced reading, writing, critical thinking, and study skills. Honors courses are academically enriched to stimulate students intellectually, encourage independent critical thinking, and promote close interaction between students and faculty.

For details about the Honors Transfer Program membership requirements and the application process, email Honor-Program@compton.edu.

Honors Curriculum

Honors courses are designed to intellectually stimulate students, encourage independent, critical thinking, and promote close interaction between students and faculty.

Honors courses are chosen to fulfill the requirements of the associate degree as well as to transfer to UC, CSU, and most other universities. Thus, students in the Honors Transfer Program generally complete the same number of courses as other students planning to transfer. Select Honors classes are offered each year from the list below:

- Astronomy 120H - Honors The Solar System
- Astronomy 125H - Honors Stars and Galaxies
- Biology 100H - Honors Fundamentals of Biology
- Biology 101H - Honors Principles of Biology I
- Biology 102H - Honors Principles of Biology II
- Business 101H - Financial Accounting
- Chemistry 104H - Honors Beginning Chemistry
- Chemistry 150H - General Chemistry I
- Economics 101H - Honors Principles of Economics: Macroeconomics
- English 101H - Honors Reading and Composition
- English 102H - Honors Literature and Composition
- English 103H - Honors Critical Thinking and Composition
- Geography 105H - World Regional Geography
- History 101H - Honors United States History to 1877
- History 102H - Honors United States History from 1877 to the Present
- History 122H - Honors United States Social History: Cultural Pluralism in America

- Music 112H - Honors Music Cultures of the World
- Philosophy 101H - Honors Introduction to Philosophy
- Philosophy 105H - Honors Critical Thinking and Discourse
- Political Science 101H - Honors Governments of the United States and California
- Political Science 110H - Honors Introduction to International Relations
- Psychology 101H - Honors General Psychology
- Sociology 101H - Honors Introduction to Sociology
- Spanish 101H - Honors Elementary Spanish I

Oliver W. Conner College Promise Program

The Compton College Oliver W. Conner Promise Program was established to make a college education more accessible and affordable to high school graduates from the Compton, Lynwood, and Paramount Unified school districts.

Through the Compton College Promise, high school graduates who attend Compton College full time (12 units) beginning the fall immediately after graduation will have enrollment fees waived for the first year. This means enrollment fees for the fall semester, winter term, spring semester and summer term at Compton College will be paid during that one-year period.

The Compton College Promise includes the following benefits for eligible students:

- Guaranteed admissions to Compton College.
- Assistance with the steps necessary for full-time enrollment at Compton College.
- Priority registration at Compton College before graduating from high school for CUSD, LUSD, and PUSD seniors.
- Opportunities to participate in support programs such as the First Year Experience and Extended Opportunity Programs and Services for additional resources to successfully navigate through Compton College and beyond.
- Assistance with the completion of a Financial Fit Plan to help high school graduates access all available financial aid to help pay for college.
- Summer Bridge classes at Compton College for recent high school graduates to assist with college-level English and math placement.

For more information, call 310-900-1600, ext. 2767, or go online: www.compton.edu/student/comptonpromise/.



Student Activities/College Life

Athletics

Compton College has a strong commitment to the promotion of intercollegiate athletics, on campus and in our community. We have an outstanding coaching staff, administration, faculty, and support staff in place to ensure your success as a student-athlete.

We offer the following competitive intercollegiate sports:

- Badminton (women)
- Baseball (men)
- Basketball (men's and women's)
- Cross Country (men's and women's)
- Football (men)
- Softball (women)
- Soccer (men's and women's)
- Track & Field (men's and women's)
- Volleyball (Women's)

The Compton College Tartar Athletics program operates under the California Community College Athletic Association and is a member of the South Coast Athletic Conference and the American Mountain Football Conference.

For more information about becoming a student-athlete, please call 310-900-1600, ext. 2943 or email athletics@compton.edu.

Athletics Website: www.comptontartars.com

Student Development

The Office of Student Development is the focal point for campus activities/events, and the associated student government. Located in building R-61, the office is open Monday through Thursday, 8:00 a.m. to 4:30 p.m. and Friday, 8:00 a.m. to noon. For more information on the Office of Student Development, please call 310-900-1600, ext. 2802 or email studentdevelopment@compton.edu. Services provided by the Office of Student Development include, but are not limited, to the following:

- Student Photo ID Cards
- Campus Information Referrals
- Student Insurance Claims
- Student Bus Pass Applications
- Trust Funds Disbursements
- Student Activities

Student Government

Compton College students have ample opportunity for self-government, self-direction, and participation in the governance of the College. A student council, composed of officers elected each year, determines how the student service fees will be used, coordinates student activities on campus, transacts student business, and represents student views on issues of current importance at Compton College. Through student government, students serve on committees and represent the student body at area and state student government conferences each semester. The council meets weekly, and all meetings are open to members of the student body.

A copy of the constitution of the Associated Student Government, which governs the associated student body operations, may be obtained in the Office of Student Development.

Student Clubs and Organizations

Student clubs and organizations offer an extensive program of activities and provide opportunities for active involvement in campus and community life. Student groups offer experiences in the democratic process, the skills and responsibilities of citizenship, and participation in the governance of Compton College. Clubs centering on special student interests, hobbies and skills offer opportunities for personal growth and development.

Students are encouraged to plan and organize their own programs and events with the help of faculty and staff members acting as advisers and consultants. All student groups are governed by their constitutions, the Interclub Council constitution, and general guidelines. Copies of constitutions and guidelines are available in the Office of Student Development.

All student organizations are open to qualified students, regardless of race, religion, or national origin.

For an updated list of student clubs and organizations, please visit the Office of Student Development.

Additional groups can be organized by petitioning Student Development and the Associated Student Government for authorization to become new clubs on campus.

Graduation Requirements

Associate Degree

Definition of Associate Degree

The associate degree leads students through patterns of learning experiences designed to develop certain capabilities and insights. Among these are the ability to think critically and to communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; to find, evaluate, use, and communicate information in various formats; and to develop the capacity for self-understanding. In addition to these accomplishments, the student shall possess sufficient depth in some field of knowledge to contribute to lifetime interest. An associate of arts degree is granted in a discipline in which behavioral sciences, fine arts, human movement, humanities, public affairs, or social sciences are integral within the academic area. An associate of science degree is granted in a discipline in which scientific thought and investigation are integral within the academic area or where there is emphasis on the application of mathematics, science, or technology.

In addition to these accomplishments, the student shall possess sufficient depth in some field of knowledge to contribute to lifetime interest.

Each associate degree offered by the College shall contain a pattern of general education and major courses selected to assure the collection of experiences, capabilities, and insights. Central to an associate degree, general education is designed to introduce students to the variety of means through which people comprehend the modern world. It reflects the conviction of the College that those who receive their degrees must possess in common certain basic principles, concepts, and methodologies both unique and shared by the various disciplines. College-educated individuals must be able to use this knowledge when evaluating and appreciating the physical environment, the culture, and the society in which they live. Most importantly, general education should lead to better self-understanding. Courses approved for inclusion in the general education requirements shall be evaluated as meeting this philosophy.

Philosophy for Associate Degree and General Education

Board Policy and Administrative Regulation 4025

The College recognizes the importance of educating individuals who will serve the local, state, national, and international communities. The associate degree requirements lead students through a general education pattern designed to encourage the development of broad knowledge in core subjects and the acquisition of sufficient depth in a specific field of knowledge. The awarding of an associate degree is intended to represent more than an accumulation of units. It recognizes a successful attempt on the part of the college to lead students through patterns of learning experiences designed to develop certain capabilities and insights. Among these are the following:

- To think and to communicate clearly and effectively both orally and in writing
- To use mathematics
- To understand the modes of inquiry of the major disciplines
- To be aware of other cultures and times
- To achieve insights gained through experience in thinking about ethical problems
- To develop the capacity for self-understanding
- To engage in lifelong learning

General Education Criteria for Associate of Arts and Associate of Science Degrees

1. Natural Sciences: A minimum of 3 units.

Courses in the natural sciences are those which examine the physical universe, its life forms, and its natural phenomena. To satisfy the general education requirement in natural sciences, a course shall be designed to help the student develop an appreciation and understanding of the scientific method and encourage an understanding of the relationships between science and other human activities. This category would include introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physical geography, physical anthropology, physics, and other scientific disciplines that emphasize experimental methodology, the testing of hypotheses, and the power of systematic questioning, rather than only the recall of facts. Courses that focus on personal, practical, or applied aspects are not suitable for this category.

2. Social and Behavioral Sciences: A minimum of 3 units.

Courses in the social and behavioral sciences promote an appreciation and understanding of how members of diverse societies operate or have operated as individuals and social groups. To satisfy the general education requirement in social and behavioral sciences, a course shall develop an awareness of methods of inquiry and stimulate critical thinking about the ways in which people act and interact within social and cultural contexts. This category would include introductory or integrative survey courses such as child development, cultural anthropology, cultural geography, economics, family and consumer studies, history, political science, psychology, sociology, and related disciplines.

3. Humanities: A minimum of 3 units

Courses in the humanities are those that promote an appreciation of the cultural activities and artistic expressions of human beings. To satisfy the general education requirement in humanities, a course shall develop the student's awareness of the ways that people throughout the ages have artistically and culturally responded to themselves and the world around them and shall develop the student's aesthetic understanding and ability to make value judgments. This category would include introductory or integrative courses in the arts, foreign languages, literature, philosophy, and religion.

4. Language and Rationality: A minimum of 6 units including one course in English Composition and one course from Communication/Analytical Thinking.

1. Courses in language and rationality are those that develop for the student the principles and applications of language toward logical thought, clear and precise expression, and critical evaluation.
2. English Composition courses that fulfill the written composition requirement shall focus primarily on both expository and argumentative writing.
3. Communication and Analytical Thinking courses that fulfill the communication and analytical thinking requirement shall include oral communications, written communications, critical reasoning, mathematics, logic, statistics, and computer languages and programming.

5. Health and Physical Education: A minimum of 3 units.

Courses in health and physical education promote lifelong understanding of the basic human need for development and maintenance of good personal health and fitness. To satisfy the general education requirement in health education, a course shall help the student develop knowledge of personal health through the examination of health-related social problems, potential preventative strategies, and mediating actions. A physical education course shall establish a foundation for regular life-long physical activity and provide opportunities for a student to develop competencies in activities that promote movement, reduce disease risk, and improve overall quality of life.

6. Mathematics Competency: A minimum of 3 units. A course used to satisfy the Mathematics Competency requirement may be double counted as meeting the Communication and Analytical Thinking requirement.

Competence in mathematics shall be demonstrated by obtaining a satisfactory grade in a mathematics course at or above the level of the course typically known as Intermediate Algebra (either Intermediate Algebra or another mathematics course at or above the same level, with the same rigor and with Elementary Algebra as a prerequisite, approved locally) or by demonstrating competency that is comparable to satisfactory completion of a mathematics course at or above the level of the course typically known as Intermediate Algebra, determined locally. The competency requirement may also be met by obtaining a satisfactory grade in courses in mathematics taught in or on behalf of other departments and disciplines, and which, as determined by the local governing board, require entrance skills at a level equivalent to those necessary for Intermediate Algebra. English Competency: A minimum of 3 units. A course used to satisfy the English Competency requirement may be double counted as meeting the English Composition requirement.

Competence in written expression shall be demonstrated by obtaining a satisfactory grade in an English course at the level of the course typically known as Freshman Composition (either Freshman Composition or another English course at the same level and with the same rigor, approved locally) or by demonstrating competency that is comparable to satisfactory completion of the specified English course, determined locally. Satisfactory completion

of an English course at the level of Freshman Composition shall satisfy both this competency requirement and the coursework requirement set forth in Area 4a.

7. Culture, Diversity, and Equity Requirement: A minimum of 3 units. A course used to satisfy the culture, diversity, and equity requirement may be double counted as meeting any applicable general education requirement.

Effective fall 2021, the culture, diversity, and equity requirement is met by taking a course listed in the catalog and approved by the Curriculum Committee. These relevant courses provide for an understanding and sensitivity to an array of cultures and identities as well as historical and lived experiences.

Associate Degrees for Transfer (ADT)

California Community Colleges offer associate degrees for transfer (ADT) to the CSU. These include Associate of Arts (AA-T) or Associate of Science (AS-T) transfer degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are given priority admission consideration to a 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. If the AA-T or AS-T is deemed a similar degree by the CSU, students will be able to complete their remaining 120 units for the baccalaureate degree within 60 semester units. To view the most current list of Compton College ADT visit adegreewithaguarantee.com/en-us/Find-Colleges. To find out which specific CSU campuses accept each transfer degree, visit the CSU Transfer Model Curriculum at www2.calstate.edu/apply/transfer/Pages/associate-degree-for-transfer-major-and-campus-search.aspx. Students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

Graduation

To receive an associate of arts or an associate of science degree from Compton College, a student must complete at least 60 units in degree applicable college courses, which must include general education requirements and coursework in an approved transfer major or associate degree program. Course work toward the degree must be completed with a cumulative grade-point average (GPA) of 2.0 or higher at Compton College and in work completed at all colleges. Students must also complete at least 12 semester units of study in residence within requirements for either the general education and/or major. A notation of "Graduation with Honors" is earned with a cumulative GPA of 3.5 or higher. Students must file an Intent to Graduate Form in the evaluations area, located in the Admissions Office, by the deadline date published in the schedule of classes.

Evaluation of Completion of Requirements

Students who want to graduate from Compton College with an associate of arts or associate of science degree must file an Intent to Graduate form, which is evaluated according to the following conditions:

- 1. Catalog requirement** – Degree requirements are derived from the catalog in effect at the time the student entered Compton College or from the current catalog, following the Catalog Rights guidelines (described below). Each catalog is in effect during the academic year for which it was published (fall semester through the summer term).
- 2. Residency requirement** – Students must complete at least 12 semester units of study in residence within requirements for either the general education and/or major at Compton College.
- 3. Unit requirement** – Sixty (60) degree applicable units are required for the associate degree, including appropriate general education and major requirements.

- 4. General Education requirement –**
Coursework toward the degree must be completed with a cumulative grade-point average (GPA) of 2.0 or higher in work at Compton College and in work completed at all colleges.
- 5. English Competency requirement**
– A minimum grade of “C” in a freshman composition course.
- 6. Mathematics Competency requirement –**
A minimum grade of “C” is required in this area.
- 7. Major requirement** – A minimum grade of “C” in all courses toward the major.

Catalog Rights

Board Policy 4100.1

The Compton College Catalog specifies the general education, major, and unit requirements which the student must satisfy to qualify for an Associate Degree, a Certificate of Achievement or a Certificate of Accomplishment. Students who have maintained continuous enrollment may choose to graduate under the catalog requirements in effect either 1) at the time they began attending Compton College continuously or 2) at the time they graduate from Compton College. For degree and certificate purposes, continuous enrollment is defined as enrolling at Compton College at least one semester, (excluding summer and winter terms) each academic year and receiving a letter grade, “W” (Withdrawal), CR/NC (Credit/No Credit, or Pass/No Pass on the transcript.

Double Major

Students may receive a double major upon completion of the major requirements for the second major.

Second Degree

Students may receive both an associate of arts and an associate of science degree upon the completion of the specific general education and major requirements for each degree as stated in the catalog. Students qualifying for more than one AA or AS degree will have all degrees posted on their transcripts; however, they will only receive one diploma for an achieved AA degree and one diploma for an achieved AS degree. (References: Sections 55002(a) and 55060 et seq.; Board Policies 4100.1 and 4235.

General Information

Some courses listed in the associate degree requirements may not transfer to a four-year college or university. Please refer to the course notations listed in the curriculum section of this catalog. All degrees require a total of 60 units with no fewer than 18 units in the major and appropriate general education courses as indicated on the associate of arts or associate of science degree patterns that follow.



Compton College General Education Requirements

Associate Degree Requirements

Section A - General Education Requirements

A student has three options to complete the General Education Requirements.

OPTION I Compton College General Education Requirements

OPTION II CSU General Education Requirements (see pages 77)

OPTION III Intersegmental General Education Transfer Curriculum (IGETC) Requirements (see page 79)

Section B - Major Requirements

Satisfy either the Compton College Major option or the Transfer Major option.

Compton College Major

Complete the courses specified for one of the majors listed alphabetically in the Course Descriptions section of this college catalog.

Transfer Major

Complete the lower-division transfer major requirements for a U.S. accredited four-year college or university. If there are no lower-division requirements in the transfer major or if the requirements for the transfer major are less than 18 units, students must complete a Compton College major.

Section C - Electives

Compton College Major

To reach the total of 60 degree applicable units required for graduation, students must choose electives from degree applicable courses. Students may count only six units of physical education as elective credit for graduation.

Transfer Major

For more information about transfer, refer to the Articulation, Transfer and General Education Patterns section of this Catalog.

Compton College General Education (GE) Requirements

Minimum of 18 semester units. Complete the minimum number of specified number of units from Areas 1 through 5. Additionally, ensure that Area 6 (Mathematics and English Competency) and Area 7 (Culture, Diversity, and Equity) requirements are met. Courses listed in multiple categories, may only be certified in one area except for courses applying to Area 6 and Area 7.

1. NATURAL SCIENCES: (3 semester units)

ANAT 130, 132
 APHY 134, 135
 ANTH 101
 ASTR 120, 120H, 125, 125H, 128
 BIOL 100, 100H, 101, 101H, 102, 102H, 103, 115, 117, 118
 BTEC 150
 CHEM 102, 104, 104H, 122, 150, 152
 GEOG 101, 106, 109
 GEOL 101, 102, 103, 104, 106, 115
 MICR 133
 PSCI 125
 PHYS 111, 112, 120, 122, 150, 152, 250, 252
 PHYO 131
 PSYC 107

2. SOCIAL AND BEHAVIORAL SCIENCES: (3 semester units)

ANTH 102[^], 103, 104, 106[^], 107[^], 108, 109[^], 111, 112
 BUS 122
 CDEV 103, 104
 COMS 260[^], 270
 ECON 101, 101H, 102, 105
 ESTU 101[^], 103[^], 105[^]
 GEOG 102, 105, 105H, 107HIST 101, 101H, 102, 102H, 105[^], 106[^], 108[^], 110[^], 111[^], 112[^], 114[^], 122[^], 122H[^], 128, 129, 140, 141, 145, 152[^], 154[^], 175[^], 176[^], 183[^], 184[^]
 JOUR 112
 POLI 101, 101H, 102, 103, 105[^], 106[^], 107, 110, 110H
 PSYC 101, 101H, 102, 105, 105H, 107, 108[^], 110[^], 112, 115, 116
 SOCI 101, 101H, 102, 104[^], 107[^], 108[^], 112, 115
 WSTU 101[^]

3. HUMANITIES: (3 semester units)

ART 101, 102, 103, 104, 109[^], 207[^], 209[^]
 COMS 250
 DANC 101, 103
 ENGL 102, 102H, 120, 150, 152, 227, 228[^], 238, 239, 240, 241, 242[^], 243[^], 244[^], 248[^]
 FILM 110, 113
 HUMA 101
 JAPA 101, 102
 MUSI 101, 111, 112[^], 113[^], 116[^], 215A, 215B
 PHIL 101, 101H, 103, 111, 112, 115
 POLI 107
 SLAN 111, 112, 113, , 130[^], 131
 SPAN 101, 101H, 102, 103, 104, 105, 106, 152, 153
 THEA 103, 104, 113

**4. LANGUAGE AND RATIONALITY:
(6 semester units)**

One course from A and one course from B:

- A. **English Composition:**
(minimum 3 semester units)
- Business 127, 128
 - English 101, 101H
 - Journalism 101
- B. **Communication and Analytical Thinking:**
(minimum 3 semester units)
- Business 129
 - Communication Studies 100, 120, 130, 140, 260, 270
 - Computer Information Systems 113, 160, 180
 - English 102, 102H, 103, 103H
 - Journalism 112
 - Mathematics 73, 80, 110, 111, 115, 116, 120, 130, 140, 150, 150H, 165, 170, 180, 190, 191, 210, 220, 270
 - Philosophy 105, 105H, 106
 - Psychology 120
 - Sociology 120

**5. HEALTH AND PHYSICAL EDUCATION:
(3 semester units)**

- CH 101[^], 105[^]
 - HDEV 110, 115
 - NFOO 110
 - PSYCH 102, 116
 - PE 260, 275, 280
- Physical Activity or Fitness Courses:**
- DANC 110, 120A, 120B, 130A, 130B, 140, 161, 162, 164[^], 165[^], 168[^], 171A, 220A, 230A, 240, 250, 262
 - PE 102, 103, 104, 107, 110, 113, 118, 119, 122, 125, 127, 128, , 131, 134, 138, 150, 154, 155, 158, 159, 162, 163, 164, 165, 167, 168, 170, 171, 174, 175, 177, 178, 180, 181, 183, 184, 186, 187

This Area may be met by completing only Physical Education units.

(This category may be exempted by one of the following: 1) Pass the Contemporary Health waiver exam; 2) Approval of a petition for military service credit; or 3) Completion of Nursing 151 and 155.)

6. Mathematics and English Competency

Students must demonstrate competency in Mathematics and Written Expression with a grade of "C" or higher.

Mathematics Competency

Mathematics Competency shall be demonstrated by obtaining a satisfactory grade in a course at or above the level of the course typically known as Intermediate Algebra.

- Mathematics 73, 80, 110, 111, 115, 116, 120, 130, 140, 150, 150H, 165, 170, 180, 190, 191, 210, 220, 270
- Psychology 120
- Sociology 120

English Competency

Competence in written expression shall be demonstrated by obtaining a satisfactory grade in an English course at the level of the course typically known as Freshman Composition.

- ENGL 101, 101H

Culture, Diversity, and Equity

A course used to satisfy the culture, diversity, and equity requirement may be double counted as meeting any applicable general education requirement. Courses noted with a [^] meet this requirement.

OPTION II: CSU GE BREADTH TRANSFER REQUIREMENTS

See page 76 of this catalog.

OPTION III: CSU/UC (IGETC) TRANSFER REQUIREMENTS

See page 78 of this catalog.

Section B - Major Requirements

Satisfy either the Compton College Major option or the Transfer Major option.

Compton College Major

Complete the courses specified for one of the majors listed alphabetically in the Course Descriptions section of this college catalog.

Transfer Major

Complete the lower-division transfer major requirements for an accredited four-year college or university. If there are no lower-division requirements in the transfer major or if the requirements for the transfer major are less than 18 units, students must complete a Compton College major.

Section C - Electives

Compton College Major

To reach the total of 60 degree applicable units required for graduation, students must choose electives from degree applicable courses. Students may count only six units of physical education as elective credit for graduation.

Transfer Major

Sixty degree applicable units are required for graduation. To qualify for transfer to CSU or UC, electives must be chosen from transferable courses. Students may count only four units of physical education as transfer credit.

Articulation, Transfer, and General Education Patterns

Preparation for Transfer

Students who intend to transfer to a four-year college or university must complete minimum admission requirements at the community college prior to transferring. Transfer requirements vary among institutions. Therefore, students should become familiar with the course requirements for 1) general education, 2) major preparation, 3) admission requirements to meet minimum eligibility and for selective majors, and 4) grade-point average (GPA).

Admission requirements may change from year to year. It is to the student's advantage to select a transfer institution as early as possible and meet with an academic counselor, transfer center adviser, the university representative, and/or articulation officer for updated information. Students are encouraged to become familiar with the ASSIST website at www.assist.org, which provides the most up-to-date information on course articulation for California public universities.

In addition, students are welcome to visit the Transfer & Career Center. The Transfer & Career Center offers a variety of services to assist students with the transfer process such as workshops, university fairs, campus tours, application assistance, and university contacts.

ASSIST (Articulation System Stimulating Interinstitutional Student Transfer)

ASSIST is California's official statewide repository of transfer information for the California State University (CSU) and University of California (UC) university systems, offering easy online access to a single database of course transfer information.

ASSIST helps you determine if you will receive credit for California Community College courses you've already taken or plan to take, and how those courses will apply to a specific academic major or general education requirements. For additional information regarding ASSIST, visit the ASSIST website at www.assist.org.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system that provides "common course numbers" independent from the course numbers used by local California community colleges. C-ID approval indicates that participating California colleges and universities have determined that Compton College courses are comparable in content and scope to courses offered on their own campuses, regardless of Compton's courses' titles or number. C-ID numbering system applies to many transferable courses and is useful for students attending multiple community colleges. Students should check with a counselor to determine how C-ID approved courses may support their educational plans for transfer.

California State University

The California State University system consists of 23 campuses located throughout the state. While each campus within the system has its own unique geographic and academic character, all campuses offer bachelor's and master's degrees in a variety of subject areas.

Upper Division Transfer Requirements:

Students who have at least 60 transferable semester units (or 90 transferable quarter units)

with a 2.0 grade-point average completed by the time of entry to a CSU, are considered an upper-division applicant. Applicants are eligible for admission to the CSU if they:

1. Are in good standing at the last college or university attended; and
2. Have completed 30 units from the CSU General Education requirements to include: one course in Area A1 (Oral Communication), one course in Area A2 (Written Communication), one course in Area A3 (Critical Thinking), and one course in Area B4 (Mathematics/Quantitative Reasoning). These four courses, referred to as the "Golden 4," must be completed with a grade of "C-" or better.

Note: Compton College does not offer minus (-) grades. Campuses that are impacted have supplemental admission criteria depending on your major of study. Students should meet with a counselor and visit the university's website and ASSIST additional information.

Note: Most students transfer as upper-division transfers, as most CSU campuses do not accept lower-division transfer students. Please check with the individual campus for verification. Visit CSU Transfer for additional information and resources about transferring.

Departmental Majors

In some transfer programs, Compton College does not offer all courses required by the departmental major. It is essential, therefore, to refer to the appropriate California State University catalog and ASSIST for complete departmental majors. Since many of the Departmental Majors Requirements are revised after a college catalog has been printed, students are also urged to consult with a counselor for current information.

CSU General Education Breadth Requirements

General Education Breadth Requirements are designed so that students may take lower-division general education courses at a California Community College such that when a student transfers, the student will have completed most, if not all, of the lower-division general education requirements.

General Education (GE) Certification

A student planning to transfer to the California State University system should request to have their GE units certified by Compton College. To be fully certified, a student must complete Areas A through F, totaling at least 39 units at Compton College

and/or any U.S. regionally accredited institution of higher education. CSU GE Certification may be requested in Admissions & Records, during the last semester of attendance at Compton College.

General Education Certification is a contractual agreement between Compton College and the California State University and Colleges. Students meeting the requirements for Full Certification will have met the necessary requirements completing all lower division general education for the California State Universities; 9 additional GE Upper Division CSU General Education (GE) Breadth Certificate of Achievement.

By completing the CSU GE requirements, you are also eligible to receive the CSU GE Breadth Certificate of Achievement. You will need to file an Intent to Graduate Form with Admissions and Records for this certificate when applying for all other Compton College Degrees/Certificates. See a counselor for more details.

CSU General Education Requirements

Important Notes:

- Students who began taking classes at Compton College prior to Fall 2021 and maintain Catalog Rights may complete other requirements; see a counselor for further information.
- Courses listed in multiple categories, may only be certified in one area.
- Courses in **Bold** are C-ID approved

Area A - English Language Communication and Critical

Minimum 9 semester units or 12 quarter units One course from each subsection. One course from each subsection.

1. Oral Communication: COMS **100, 120, 130, 140**
2. Written Communication: ENGL **101, 101H**
3. Critical Thinking: COMS **120**, ENGL **103, 103H**, PHIL 105, 105H, **106**

Area B - Physical Universe and its Life Forms

minimum nine semester units or 12 quarter units

One course must be completed from each subsection; one course must include a laboratory (marked by *).

Physical Sciences:

ASTR 120, 120H, 125, 125H, 128*

CHEM 102*, 104*, 104H*, 122*, **150***, 152*, **210***, 212*

GEOG **101, 106***, **109**

GEOLOG **101**, 102, **103***, **104***, **106***, 115

PSCI 125

PHYS 111, 112*, **120***, **122***, **150***, 152*, 250*, 252*

Life Sciences:**ANAT** 130*, **132*****APHY** 134*, 135***ANTH 101****BIOL** 100*, 100H*, 101*, 101H*, 102*, 102H*, 103, 115, 117, 118***MICR** 133***PHYO 131*****PSYC 107**

Laboratory Activity: The courses listed above in B.1. and B.2. marked with an asterisk (*) meet the laboratory requirement.

Mathematics/Quantitative Reasoning:**BUS** 115, 117**MATH** 110, 111, 115, 120, 130, 140, 150, 150H, 165, 170, 180, 190, 191, 210, 220, 270**PSYC** 120**SOCI** 120**Area C - Arts, Literature, Philosophy and Foreign Languages**

Minimum 9 semester units or 12 quarter units

At least one course from subsection 1 and one course from subsection 2; and an additional course from either subsection 1 or 2.

1. Arts:**Art 101, 102, 103, 104, 109, 207, 209****Communication Studies** 250**Dance** 101, 103**Film/Video** 110**Music 111, 112, 113, 116, 215A, 215B****Theater 103, 104, 113****2. Humanities:****ENGL 102, 102H, 120, 123, 127, 128, 150, 152, 200, 227, 228, 238, 239, 240, 241, 242, 243, 244, 248****HIST 101, 101H, 102, 102H, 105, 106, 108, 110, 111, 112, 114, 122, 122H, 128, 129, 140, 141, 145, 152, 154, 175, 176, 183, 184****HUMA** 101**JAPA** 101, 102**PHIL 101, 101H, 103, 111, 112, 115****POLI 107****SLAN** 111, 112, 113, 114, 115, 130**SPAN 101, 102, 103, 104, 105, 106, 152, 153****Area D - Social Sciences**

Minimum 9 semester units or 12 quarter units

Note: It is *recommended* to complete courses from different disciplines, but this is not required.

ANTH 102, 103, 104, 106, 107, 108, 109, 111, 112**Business** 122**CDEV 103****COMS** 260**ECON 101, 101H, 102, 105****ESTU** 101, 103, 105**GEOG** 102, 105, 105H, 107**HIST 101, 101H, 102, 102H, 105, 106, 108, 110, 111, 112, 114, 122, 122H, 128, 129, 140, 141, 145, 152, 154, 175, 176, 183, 184****JOUR 112****PE** 275**POLI 101, 101H, 102, 103, 105, 106, 107, 110, 110H****PSYC 101, 101H, 102, 108, 110, 112, 115, 116, 122****SLAN** 130**SOCI 101, 101H, 102, 104, 107, 108, 112, 115****WSTU 101****Area E - Lifelong Understanding and Self-Development**

minimum three semester units or 4-5 quarter units

BUS 122**CDEV 103****CH** 101, 105**HDEV** 110, 115**NFOO** 110**PE** 275, 280**PSYC 102, 112, 116****SOCI** 102

Only 2 units may be used of **PE** 102, 103, 104, 107, 110, 113, 118, 119, 122, 125, 127, 128, 130, 131, 134, 138, 154, 155, 158, 159, 162, 163, 164, 165, 167, 168, 170, 171, 174, 175, 177, 178, 180, 181, 183, 184, 186, 187, 260

Physical Education Notes: Since only two units of PE activity courses may fulfill this Area's requirement, an additional non-PE course will be needed to complete Area E. Transfer credit may be limited by UC or CSU or both; please consult with a counselor and www.assist.org for details.

Area F - Ethnic Studies

Minimum 3 semester units or 4 quarter units

ESTU 103

U.S. History, Constitution, and American Ideals:

All CSU campuses have a graduation requirement in U.S. History, Constitution, and American Ideals of 6 semester units. One course is required from Group 1 and one course is required from Group 2. The courses used to satisfy this requirement may also be used to fulfill the California State University General Education Breadth Area C or D requirements.

Group 1: HIST **101**, 101H, **102**, 102H, 105, 106, 108, 110, 111, 112, 114, 122, 122H

Group 2: POLI **101**, 101H

University of California

The University of California has 9 campuses located throughout the state. Each campus within the system has its own unique geographic and academic character. The university offers bachelor's, master's, and doctoral degrees in a variety of subject areas.

Admission Requirements

To be minimally eligible for admission to the University of California as a transfer student, a student must fulfill the following criteria:

- A. Complete 60 UC transferable semester units (90 quarter units) with a minimum GPA of 2.4 (2.8 for nonresidents).
- B. Complete the following course pattern requirements, earning a grade of "C" or better in each course: two transferable college courses in English composition; one transferable college course in mathematical concepts and quantitative reasoning; four transferable college courses chosen from at least two of the following subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences.

Note: The IGETC General Education Transfer Pattern will meet these course requirements; read the Section entitled "Intersegmental General Education Transfer Curriculum (IGETC)" for more details.

- C. Complete as many major preparation courses as possible. Major preparation may be viewed at www.assist.org.

Note: Selective majors are requiring certain courses to be completed before transfer with a higher grade point average (GPA).

The University of California will accept up to 70 UC transferable units from a community college. Students who complete more than 70 units at the community college may still complete courses to fulfill course requirements but will receive subject credit.

Intersegmental General Education Transfer Curriculum (IGETC)

The Intersegmental General Education Transfer Curriculum (IGETC) is a series of courses prospective transfer students attending California community colleges may complete at the community college to satisfy the lower-division breadth/general education requirements at both the University of California and the California State University.

Students have the option of completing the IGETC or the specific lower-division breadth/general education requirements of the school or college at the campus they plan to attend. The IGETC must be completed prior to transfer. The University has an agreement with each California community college that specifies which of its courses may be applied to each category of the IGETC. All courses must be completed with a grade of "C" or better.

The IGETC is most helpful to students who want to keep their options open. Certain majors, however, will not be well served by following IGETC. Students who intend to transfer into majors that require extensive lower-division preparation, such as those in engineering or the physical and natural sciences, should concentrate on completing as many prerequisites as possible for the major before transfer. See a counselor to determine if IGETC is right for you.

The IGETC is not an admission requirement. Completing IGETC does not guarantee admission to the campus or program of choice. However, completing the lower-division breadth/general education requirements, whether through the IGETC or the campus specific requirements, may be considered by the campus in the selection process. Students who do not complete the IGETC before transferring will be required to satisfy the campus-specific lower-division general education requirements of the college they attend. We encourage you to become familiar with the UC transfer requirements.

General Education (GE) Certification

A student planning to transfer to either the University of California or the California State University systems should request to have their IGETC units certified by Compton College. In addition to the course requirements for each Subject area, full certification for the CSU must include completion of the Oral Communication requirement. For the UCs, Oral Communication is not required, but the certification must include satisfaction of the foreign language proficiency requirement.

Note: all courses must be completed with a grade of "C" or better (except for high school courses used to satisfy Area 6).

Important Notes:

- Courses listed in multiple categories may only be certified in one area.
- Courses in bold are C-ID approved.
- # Indicates that transfer credit may be limited by UC or CSU or both; please consult with a counselor and www.assist.org.

IGETC Certificate of Achievement

By completing the IGETC requirements, you are also eligible to receive the IGETC Certificate of Achievement. You will need to file an Intent to Graduate Form with Admissions and Records for this certificate when applying for all other Compton College Degrees/Certificates. See a counselor for more details.

IGETC Course Requirements**Area 1: English Communication**

UC and CSU transfers complete 1A and 1B; 1C is required for CSU transfers only.

1A: English Composition (3 semester or 4 quarter units) ENGL **101, 101H**

1B: Critical Thinking (3 semester or 4 quarter units) ENGL **103, 103H**; PHIL 105, 105H

1C: Oral Communication (3 semester or 4 quarter units) [CSU transfers only] COMS **100, 120, 130, 140**

Area 2: Mathematical Concepts and Quantitative Reasoning

3 semester or 4 quarter units:

Mathematics 115#, 120, **130#, 140, 150#, 150H#, 165#, 180#, 190#, 191#, 210, 220, 270**

Psychology 120#

Sociology 120#

Area 3: Arts and Humanities

Three courses, 9 semester or 12quarter units; at least one course from Arts and one course from Humanities:

A. Arts:

ART 101, 102, 103, 104, 109, 207, 209

DANC 101, 103

FILM 110

MUSI 111, 112, 113, 116, 215A, 215B

THEA 103, 104

B. Humanities:

ANTH 104, 111

ENGL 102, 102H, 120, **150, 152**, 200, 227, 228, 239, **240, 241**, 242, 243, 244, 248

HIST 101, 101H, 102, 102H, 105, 106, 108, 110, 111, 112, 114, 122, 122H, 128, 129, 140, 141, 145, 152, 154, 175, 176, 183, 184

HUMA 101

JAPA 102

PHIL 101, 101H, **103**, 111, 112, 115

POLI 107

SLAN 112, 113, , 130

SPAN 102, 103, 104, 152, 153

Area 4: Social and Behavioral Sciences

Three courses, 9 semester or 12quarter units, from at least two disciplines or an interdisciplinary sequence:

A. ANTH 102, **103, 104**, 106, 107, 108, 109, 111, 112

CDEV 103

COMS 260

ECON 101, 101H, **102**, 105#

ESTU 101, 103, 105

GEOG 102, 105, 105H, **107**

HIST 101, 101H, **102**, 102H, 105, 106, 108, 110, 111, 112, 114, 122, 122H, 128, 129, 140, 141, 145, 152, 154, 175, 176, 183, 184

JOUR 112

POLI 101, 101H, **102, 103**, 105, 106, **107, 110**, 110H

PSYC 101, 101H, 102, 108, 110, 112, **115, 116**

SLAN 130

SOCI 101, 101H, **102, 104**, 107, **108, 112**, 115

WSTU 101

Area 5: Physical and Biological Sciences

Two courses, 7 semester or 9 quarter units. One physical science course, one biological science course; at least one course must include a laboratory (*indicates a lab course):

A. Physical Sciences:

ASTR 120, 120H, 125, 125H, 128*#

CHEM 102*#, 104*#, 104H*#, 122*#, **150***, 152*, **210***, 212*

GEOG 101, 106*, **109**

GEOLOG 101, 102, **103***, **104***, 115

PSCI 125#

PHYS 111#, 112*#, **120*#, 122*#, 150*#,**

152*#, 250*#, 252*#

B. Biological Sciences:**ANAT** 130*#, **132*****APHY** 134*, 135***ANTH 101****BIOL** 100*#, 100H*#, 101*, 101H*, 102*, 102H*, 103, 115, 117, 118***MICR** 133***PHYO 131*****PSYC 107****C. Laboratory science courses are marked with an asterisk (*indicates a lab course).****Area 6 UC Only: Language other than English**

This requirement may be met by one of the following:

A course at Compton College:

JAPA 101, 102;

SLAN 111;

SPAN **101#**, **101H**, **102**, **103**, **104**, 105, 106, **152**, **153**.

1. Two years of high school coursework in a language other than English with a final grade of C or better. The two years must be in the same language (high school transcripts must be on file with Compton).
2. Foreign language course (or courses) at another college or university that is comparable to two years of high school foreign language.
3. Satisfactory score on the SAT II: Subject Test in languages other than English. (If taken

before May 1995, use the first score; if taken after May 1995, use the second score): Chinese with Listening 500/520; French/ French with Listening 500/540; German/ German with Listening 500/510; Hebrew (Modern) 500/470; Italian 500/520; Japanese with Listening 500/510; Korean /Korean with Listening 500; Latin 500/530; Spanish/ Spanish with Listening 500/520.

4. Score of 3 or better on the College Board Advanced Placement Examinations in languages other than English.
5. Score of 5 or higher on the International Baccalaureate Higher Level (IBHL) Examinations in languages other than English.
6. A Defense Language Institute Foreign Language Center (DLIFLC) other than English course which is indicated as passed with a "C" or higher on the official transcript.
7. Satisfactory completion of an achievement or proficiency test administered by a community college, university or other college in a language other than English. The test must assess the student proficiency at a level equivalent to at least two years of high school language. This conclusion must be posted on a transcript indicating unit, course title, and grade or on a document with letterhead of the institution granting proficiency stating that the student has mastered proficiency in the language equivalent to two years of high school language.
8. (International) General Certificate of Secondary Education [(I)GCSE]/General Certificate of Education (GCE) "O" level exams in languages other than English with a grade of "A", "B", or "C".
9. General Certificate of Education (GCE) "A" Level exams in languages other than English with a grade of "A", "B" or "C".
10. Satisfactory completion of C grades or better, of two years of formal schooling at the sixth-grade level or higher in an institution where the language of instruction is not English. Note: If the secondary school was completed in a non-English speaking country and the language of instruction of the secondary school was not English, language other than English proficiency can be certified for IGETC without further evaluation. The student must present appropriate documentation of attendance at the secondary school.

CSU Only: Graduation requirement in American History and American Institutions. Please refer to the U.S. History, Constitution, and American Ideals section under the CSU GE for further details.



Certificate Programs

Compton College offers a variety of certificate programs. The Certificate of Achievement and Certificate of Completion are recorded on a student's transcript. A Certificate of Accomplishment is not recorded on the transcript.

Each of the programs requires completion of courses in a particular field. Unlike degree programs, courses outside the field are not generally required. Students must file a petition for a certificate by the deadline date published in the schedule of classes.

Certificate of Achievement

A Certificate of Achievement is awarded to students who complete the prescribed program with a 2.0 grade point average.

A Certificate of Achievement with Honors is awarded to students who complete the prescribed program with a 3.0 grade point average.

A Certificate of Achievement with High Honors is awarded to students who complete the prescribed program with a 3.5 grade point average or above.

Certificate of Accomplishment

A Certificate of Accomplishment is awarded to students who complete the prescribed program with a 2.0 grade point average or above.

Certificate of Completion

A Certificate of Completion is a noncredit certificate awarded to students completing noncredit courses in a prescribed pathway, leading to improved employability or job opportunities.

Certificates of Achievement

Administration of Justice:

Administration of Justice

Air Conditioning and Refrigeration:

Air Conditioning
Air Conditioning and Refrigeration Electric Controls
Heating, Ventilation, and Air Conditioning (HVAC)
and Refrigeration
Refrigeration

Automotive Collision Repair/Painting:

Automotive Collision Repair Automotive Painting
and Refinishing

Automotive Technology:

Automotive Brakes/Suspension/Transmission/Drive

Train Technician
Automotive Engine Rebuilding and Repair
Technician Automotive Technician I
Automotive Technician II Automotive Tune-Up
Technician

Business:

Business Management Marketing
Retail Management

Child Development:

Early Childhood Education Early Intervention
Assistant
Special Education Assistant

Computer Information Systems:

Computer Systems Applications

Cosmetology:

Cosmetology Level II

Engineering Technology:

Engineering Technician



Machine Tool Technology:

CNC Machine Operator Machinist
Numerical Control Programmer

Music:

Commercial Music

Transfer Studies:

CSU General Education Breadth Intersegmental
General Education Transfer Curriculum (IGETC)

Welding:

Welding

Certificates of Accomplishment**Automotive Collision Repair/Painting:**

Automotive Accident Reconstruction Automotive
Collision Investigation Automotive Collision
Damage Estimating

Automotive Technology:

Automotive Air Conditioning Technician
Automotive Brakes and Suspension Technician
Automotive Engine Rebuilding and Repair
Technician
Automotive Transmission and Drive Train
Technician

Cosmetology:

Cosmetology Level I

Physical Education:

Fitness Trainer

Certificates of Completion**English as a Second Language:**

Personal Care Attendant

Evaluation of Completion of Requirements

The Certificate of Achievement or the Certificate of Accomplishment will be evaluated according to the following conditions:

- 1. Catalog requirement:** Certificate requirements are derived from the catalog in effect at the time the student entered Compton College or from the current catalog, following the Catalog Rights guidelines. (Please refer to the Associate Degree section of this catalog.) Each catalog is in effect during the academic year for which it is published (fall semester through the summer session).
- 2. Residency requirement:** Individual certificates specifically state the required number of units that must be completed at Compton College.



COMPTON COLLEGE DEGREES AND CERTIFICATES BY GUIDED PATHWAY DIVISION

Program of Study	Transfer Degree	Associate Degree	Certificate of Achievement	Certificate of Accomplishment	Certificate of Competency
Business and Industrial Studies					
Air Conditioning and Refrigeration		AS			
Air Conditioning			X		
Air Conditioning and Refrigeration Electric Controls			X		
Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration			X		
Refrigeration			X		
Automotive Collision Repair/Painting		AS			
Automotive Collision Repair			X		
Automotive Collision Damage Estimating				X	
Automotive Painting and Refinishing			X		
Automotive Collision Investigation				X	
Automotive Accident Reconstruction				X	
Automotive Technology		AS			
Automotive Brakes/Suspension, Transmission/Drive Train Technician			X		
Automotive Engine Rebuilding and Repair Technician			X		
Automotive Technician I			X		
Automotive Technician II			X		
Automotive Tune-Up Technician			X		
Automotive Air Conditioning Technician				X	
Automotive Brakes and Suspension Technician				X	
Automotive Engine Rebuilding and Repair Technician				X	
Automotive Transmission and Drive Train Technician				X	
Business					
Business Administration	AS-T				
Business Management		AS	X		
Business Marketing		AS			
Marketing			X		
Retail Management			X		

Program of Study	Transfer Degree	Associate Degree	Certificate of Achievement	Certificate of Accomplishment	Certificate of Competency
Computer Information Systems		AS			
Computer Systems Applications			X		
Cosmetology		AS			
Cosmetology Level I				X	
Cosmetology Level II			X		
Engineering Technology					
Engineering Technician			X		
Machine Tool Technology					
Machinist Option		AS	X		
Numerical Control Programmer Option		AS	X		
CNC Machine Operator			X		
Welding		AS	X		
Fine Arts, Communication and Humanities					
Communications Studies	AA-T				
English	AA-T				
English as a Second Language					
Personal Care Attendant					X
General Studies					
Arts and Humanities		AA			
Culture and Communication		AA			
Fine and Applied Arts		AA			
Music		AA			
Commercial Music				X	
Spanish	AA-T				
Studio Arts	AA-T				
Transfer Studies					
CSU General Education – Breadth				X	
Intersegmental General Education Transfer Curriculum (IGETC)				X	
Health and Public Services					
Administration of Justice	AS-T		X		
General Studies					
Kinesiology and Wellness		AA			
Nursing		AS			
Upward Mobility Option		AS			
Physical Education					
Kinesiology	AA-T				
Fitness Trainer					X

Program of Study	Transfer Degree	Associate Degree	Certificate of Achievement	Certificate of Accomplishment	Certificate of Competency
Science, Technology, Engineering, and Mathematics (STEM)					
Biomanufacturing		AS			
Biomufacturing Technician			X		
Biotechnology Laboratory Assistant			X		
General Science		AS			
General Studies					
Biological and Physical Sciences		AA			
Mathematics	AS-T				
Physical Science		AS			
Physics	AS-T				
Social Sciences					
Child Development		AA			
Early Childhood Education	AS-T		X		
Early Intervention Assistant			X		
Special Education Assistant			X		
Ethnic Studies					
African American Studies Option		AA			
American Cultures Option		AA			
Chicano Studies Option		AA			
General Studies					
Social and Behavioral Sciences		AA			
History	AA-T				
Liberal Studies					
Elementary Teaching (Teacher Preparation Option)		AA			
Elementary Teacher Education	AA-T				
Political Sciences	AA-T				
Psychology	AA-T				
Sociology	AA-T				



Programs of Study / Degrees and Majors

ADMINISTRATION OF JUSTICE

The Administration of Justice program provides students with the ability to apply principles of the justice system, constitutional and procedural considerations affecting arrest, search and seizure, human relations, and concepts of criminal law as well as demonstrate proficiency in report writing and record keeping. Students completing this program will be prepared to transfer and major in criminal justice. Competencies will be assessed regularly in accordance with the California Commission on Peace Officers Standards and Training (P.O.S.T.) criteria.

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 the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn an AS-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required v the major or area of emphasis.

Students who have completed the AS-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AS-T.

Program Learning Outcomes: Upon successful completion of the degree or certificate program, students will be able to:

- The 4th Amendment: Recognize unlawful behavior and take appropriate enforcement action properly utilizing probable cause as required in the 4th amendment of the US Constitution.
- Criminal Justice Reports: Properly document a criminal investigation, crime analysis report, intelligence report, or other criminal justice documentation. The report will include the correct elements of the incident involved, will include the relevant facts, be accurate and complete and will be grammatically correct.
- Interpreting Criminal Profiles and Identifying Criminal Behaviors: After being provided a hypothetical crime scenario will be able to recognize and interpret as suspicious or criminal behavior based on facts presented in the scenario.
- Certificates, Graduation, and Transfer Students: Successfully earn a certificate/graduate/transfer to 4-year universities and will successfully compete for jobs in which they can apply legal, investigative, and communicative skills acquired in the administration of justice program.
- The Criminal Justice System: Explain what the criminal justice system is, what role it performs in society and how its components interact with one another in achieving its goals.

Program Requirements for AS-T:

Required Core: 6 units

AJ 100	Introduction to Administration of Justice (3)
AJ 103	Concepts of Criminal Law I (3)

List A: 6 units

AJ 107	Crime and Control – An Introduction to Corrections (3)
AJ 111	Criminal Investigation (3)
AJ 115	Community and Human Relations (3)
AJ 126	Juvenile Delinquency and Legal Procedures (3)
AJ 130	Criminal Procedures (3)
AJ 131	Legal Aspects of Evidence (3)
AJ 132	Forensic Crime Scene Investigation (3)

List B: 6-7 units

PSYC 101	General Psychology (3)
SOCI 101	Introduction to Sociology (3)
MATH 150	Elementary Statistics with Probability (4)
or	
PSYC 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)
or	
SOCI 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)

Total Units: 18-19**Administration of Justice – Certificate of Achievement**

Program Description: The Administration of Justice certificate of achievement prepares students for a career in criminal justice. By completing the certificate requirements, students gain the ability to apply principles of the justice system, constitutional and procedural considerations affecting arrest, search and seizure, human relations, and concepts of criminal law as well as demonstrate proficiency in report writing and record keeping. Career options include police officer, corrections officer, homeland security, private security, and crime scene investigator.

Program Requirements:

AJ 100	Introduction to Administration of Justice (3)
AJ 103	Concepts of Criminal Law I (3)
AJ 115	Community and Human Relations (3)
AJ 130	Criminal Procedures (3)
AJ 131	Legal Aspects of Evidence (3)
AJ 135	Report Writing (3)
AJ 170	Constitutional Law for Criminal Justice (3)

Total Units: 21**AIR CONDITIONING AND REFRIGERATION**

The air conditioning and refrigeration program prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. By completing the degree and/or certificate requirements, the student will gain proficiency in service, troubleshooting, installation, and energy efficient operation of residential, commercial and industrial heating, air conditioning, refrigeration, and control systems. Students will learn to read wiring diagram, diagnose control circuits, operate test equipment, and service pneumatic, electric and electronic controls. Competencies will be assessed in accordance with the Environmental Protection Agency certificate criteria. Students completing the program may expect to enter industry as an advanced apprentice or entry-level heating, ventilation, air conditioning, and controls technician. At least 50 percent of the major requirements for the Associate in Science degree must be completed at Compton College.

Program Learning Outcomes:

Upon successful completion of the degree or certificate program, students will be able to:

- Safety Knowledge and Skills: Acquire and be able to use specific safety knowledge and skills relating to the air conditioning and refrigeration discipline and will be able to apply those skills to specific job requirements.
- Installing Servicing and Repairing Systems: Install, service, and repair ACR systems as required by the industry guidelines.
- Pressure Testing and Charging Systems: Properly pressure test, evacuate, and charge ACR system.
- Attaining Certificates, Degrees, Transferring and Attaining Jobs: Successfully earn a certificate/graduate/transfer to 4-year universities and will successfully compete for jobs in which they can apply their knowledge and communicative skills acquired in the air conditioning and refrigeration program.

Program Requirements for A.S. Degree:

ACR 121	Air Conditioning Fundamentals (4)
ACR 123	Commercial Refrigeration Applications (4)
ACR 125	Energy Efficient Residential, Commercial and Industrial Air Conditioning (4)
ACR 127	Heating Technologies (4)
ACR 130	Electric Controls (2)
ACR 131	HVAC Electronics (2)

ACR 134	HVAC Customer Service and Industry Certifications (1)
ACR 136	Electrical Applications (4)
ACR 160	Refrigeration and Air Conditioning Control Systems (4)
ACR 161	Fundamentals of Automation Systems (3)
ACR 162	Energy Control and Optimization Systems (4)

Total Units: 36

Recommended Electives:

BUS 115	Business Mathematics (3)
CIS 113	Computer Information Systems (3)

**Air Conditioning –
Certificate of Achievement**

Program Description: The Air Conditioning certificate of achievement prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. By completing certificate requirements, the student will gain proficiency in service, troubleshooting, installation, and energy efficient operation of residential, commercial, and industrial heating, air conditioning, refrigeration, and control systems. Students will learn to read wiring diagram, diagnose control circuits, operate test equipment, and service pneumatic, electric and electronic controls. Competencies will be assessed in accordance with the Environmental Protection Agency certificate criteria. Students completing the program may expect to enter industry as an advanced apprentice or entry-level heating, ventilation, air conditioning, and controls technician.

Program Requirements:

ACR 121	Air Conditioning Fundamentals (4)
ACR 125	Energy Efficient Residential, Commercial and Industrial Air Conditioning (4)
ACR 127	Heating Technologies (4)
ACR 134	HVAC Customer Service and Industry Certifications (1)
ACR 136	Electrical Applications (4)

Total Units: 17

**Air Conditioning and
Refrigeration Electric Controls –
Certificate of Achievement**

Program Description: The Air Conditioning and Refrigeration Electrical Controls certificate includes heat transfer, energy, and the basic refrigeration system. Basic tools with some specialty tools and basic refrigerant handling skills will also be covered. Topics include brazing of copper tubing; study of electrical diagrams and circuits in domestic refrigerators and freezers including the terminology, legends, and both ATL and pictorial electrical diagrams used in domestic refrigeration equipment. Testing and repair or replacement of specialized circuitry on refrigeration equipment including types of motors and start components, temperature controls and defrost timers used on domestic refrigeration equipment. Recommended for students desiring to enter the air conditioning and refrigeration industry.

Program Requirements:

ACR 130	Electric Controls (2)
ACR 131	HVAC Electronics (2)
ACR 134	HVAC Customer Service and Industry Certifications (1)
ACR 136	Electrical Applications (4)
ACR 160	Refrigeration and Air Conditioning Control Systems (4)

Total Units: 13

**Heating, Ventilation and Air
Conditioning (HVAC) and Refrigeration –
Certificate of Achievement**

Program Description: The Heating Ventilation, and Air Conditioning (HVAC) and Refrigeration Certificate of Achievement prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. Upon success completion of the certificate requirements, students will gain proficiency in service, troubleshooting, installation, and energy efficient operation of residential, commercial, and industrial heating, air conditioning, refrigeration, and control systems. Students will learn to read wiring diagrams, diagnose control circuits, operate test equipment, and service pneumatic, electric, and electronic controls. Competencies will be assessed in accordance with the Environmental Protection Agency certificate criteria.

Program Requirements:

ACR 121	Air Conditioning Fundamentals (4)
ACR 123	Commercial Refrigeration Applications (4)
ACR 125	Energy Efficient Residential,

	Commercial and Industrial Air Conditioning (4)
ACR 127	Heating Technologies (4)
ACR 130	Electric Controls (2)
ACR 131	HVAC Electronics (2)
ACR 134	HVAC Customer Service and Industry Certifications (1)
ACR 136	Electrical Applications (4)
ACR 160	Refrigeration and Air Conditioning Control Systems (4)
ACR 161	Fundamentals of Automation Systems (3)
ACR 162	Energy Control and Optimization Systems (4)
BUS 115	Business Mathematics (3)

Total Units: 39

Refrigeration – Certificate of Achievement

Program Description: The Refrigeration certificate of achievement explores refrigeration theory, characteristics of refrigerants, temperature and pressure, tools and equipment, soldering, brazing, commercial refrigeration systems, system components, compressors, evaporators, and metering devices. Students will learn to charge commercial systems with new Environmental Protection Agency (EPA) refrigerants and evaluate the proper operation of systems. Troubleshooting techniques are explained with the use of wiring diagrams and electric meters.

Program Requirements:

ACR 121	Air Conditioning Fundamentals (4)
ACR 123	Commercial Refrigeration Applications (4)
ACR 134	HVAC Customer Service and Industry Certifications (1)
ACR 160	Refrigeration and Air Conditioning Control Systems (4)

Total Units: 13

AUTOMOTIVE COLLISION REPAIR/ PAINTING

The automotive collision repair/painting program prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. By completing the degree and/or certificate requirements, students will gain proficiency in industry repair standards, vehicle identification and construction, estimating, body repairs, frame repairs, vehicle alignment, welding, and vehicle painting. In addition, completing the certificate requirements prepares students for employment in the fields of automotive insurance investigation, vehicle accident reconstruction, automotive collision repair, or automotive painting. Competencies will be assessed regularly by student performance in the automotive collision repair/painting classroom and laboratory. At least 50% of the major requirements for the Associate in Science degree must be completed at Compton College.

Program Learning Outcomes: Upon successful completion of the degree or certificate program, students will be able to:

- Pass at least one ASE certification test or practice test in Auto Collision Repair (B2, B3, B4, B5 or B6).
- Pass the official I-CAR MIG welding qualification test or ECC imitation. Welds include butt weld, lap weld, and plug weld in flat and vertical positions.
- Examine a damaged vehicle and create an informal written estimate of the parts, tools, materials, and time needed to repair the vehicle.

Program Requirements for A.S. Degree:

Complete a minimum of 20 units from:

ACRP 101	Introduction to Automotive Collision Repair (8)
ACRP 102	Collision Repair Equipment and Welding Techniques (8)
ACRP 103	Major Collision Analysis and Repair (8)
ACRP 104	Mechanical and Electrical Systems for Collision Repair Technicians (8)
ACRP 120	Automotive Collision Investigation (3)
ACRP 122	Automotive Repair Fraud (3)
ACRP 124	Automotive Collision Analysis (3)
ACRP 126	Automotive Accident Reconstruction (3)
ACRP 130	Basic Automotive Painting – Refinishing (8)
ACRP 132	Automotive Refinishing Materials and Equipment (8)
ACRP 134	Automotive Refinishing Applications (8)
ACRP 136	Introduction to Automotive Collision Estimating (8)

- ACRP 138 Computerized Collision Damage Estimating (8)
 ACRP 140 Beginning Automotive Collision Repair I (4)
 ACRP 142 Beginning Automotive Collision Repair II (4)
 ACRP 150 Beginning Automotive Painting I (4)
 ACRP 152 Beginning Automotive Painting II (4)

Total Units: 20

Recommended Electives:

- A TEC 116 Suspension and Four Wheel Alignment (4)
 A TEC 125 Automotive Electrical Systems (4)
 A TEC 181 Automotive Air Conditioning (3)
 MTT 160 General Metals (3)
 WELD 105 Basic Welding for Allied Fields (3)

**Automotive Collision Repair –
 Certificate of Achievement**

Program Requirements:

Complete 24 units from the following:

- ACRP 101 Introduction to Automotive Collision Repair (8)
 ACRP 102 Collision Repair Equipment and Welding Techniques (8)
 ACRP 103 Major Collision Analysis and Repair (8)
 ACRP 104 Mechanical and Electrical Systems for Collision Repair Technicians (8)
 ACRP 120 Automotive Collision Investigation (3)
 ACRP 122 Automotive Repair Fraud (3)
 ACRP 124 Automotive Collision Analysis (3)
 ACRP 126 Automotive Accident Reconstruction (3)
 ACRP 136 Introduction to Automotive Collision Estimating (8)
 ACRP 138 Computerized Collision Damage Estimating (3)
 ACRP 140 Beginning Automotive Collision Repair I (4)
 ACRP 142 Beginning Automotive Collision Repair II (4)
 ACRP 144 Intermediate Automotive Collision Repair I (4)
 ACRP 146 Intermediate Automotive Collision Repair II (4)

Total Units: 24

**Automotive Painting and Refinishing –
 Certificate of Achievement**

Program Description: By completing the Automotive Collision Repair certificate of achievement requirements, students will gain proficiency in industry repair standards, vehicle identification and construction, estimating, body repairs, frame repairs, vehicle alignment, welding, and vehicle painting. In addition, completing the certificate requirements prepares students for

employment in the fields of automotive insurance investigation, vehicle accident reconstruction, automotive collision repair, or automotive painting. Competencies will be assessed regularly by student performance in the automotive collision repair/painting classroom and laboratory.

Program Requirements:

Complete 24 units from the following:

- ACRP 101 Introduction to Automotive Collision Repair (8)
 ACRP 130 Basic Automotive Painting – Refinishing (8)
 ACRP 132 Automotive Refinishing Materials and Equipment (8)
 ACRP 134 Automotive Refinishing Applications (8)
 ACRP 136 Introduction to Automotive Collision Estimating (3)
 ACRP 138 Computerized Collision Damage Estimating (3)
 ACRP 150 Beginning Automotive Painting I (4)
 ACRP 152 Beginning Automotive Painting II (4)
 ACRP 154 Intermediate Automotive Refinishing I (4)
 ACRP 156 Intermediate Automotive Refinishing II (4)

Or any other Automotive Collision Repair/Painting course as approved for substitution by the department faculty.

Total Units: 24

Certificates of Accomplishment

Certificate of Accomplishment is awarded to students who complete the prescribed program with a 2.0 GPA or above.

Damage Estimating

Program Requirements:

- ACRP 136 Introduction to Automotive Collision Estimating (3)
 ACRP 138 Computerized Collision Damage Estimating (3)

Total Units: 6

Automotive Collision Investigation

Program Requirements:

- ACRP 120 Automotive Collision Investigation (3)
 ACRP 122 Automotive Repair Fraud (3)

Total Units: 6

Automotive Accident Reconstruction

Program Requirements:

- ACRP 124 Automotive Collision Analysis (3)
 ACRP 126 Automotive Accident Reconstruction (3)

Total Units: 6

AUTOMOTIVE TECHNOLOGY

The automotive technology program prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. By completing the degree and/or certificate requirements, the student will gain proficiency in safety practices, automotive service, testing, troubleshooting, brakes, suspension, wheel alignment, engine tune-up, electrical systems, fuel systems (carburetion and fuel injection), emission systems, transmissions, drive trains, engine repair, engine rebuilding, automotive machining, or air conditioning. Competencies will be assessed regularly in accordance with Automotive Service Excellence (ASE) standards. A student completing degree requirements may expect to enter industry as a technician in automotive service, repair, tune-up, smog certification, or automotive air conditioning.

Preparation for the Automotive Technology

Transfer Major: For information on specific university major requirements consult with your counselor, or visit the Transfer Center. You may use the transfer major requirements to help you fulfill your associate degree requirements.

Program Learning Outcomes: Upon successful completion of the degree or certificate program, students will be able to:

- Given an in-class exam, based on readings, classroom discussions and demonstrations, take a Pass/No Pass practice exam, or an official ASE Certification Test exam with a grade equivalent of "pass".
- Develop knowledge and skills for job entry positions in the automotive field.
- Working in the field, will develop updated knowledge and skills in the automotive field.

Program Requirements for A.S. Degree:

Required Core: 32 units

8 units from:

ATEC 111	Brakes, Suspension and Four Wheel Alignment (8)
ATEC 114	Brakes (4)
ATEC 116	Suspension and Four Wheel Alignment (4)

8 units from:

ATEC 122	Introduction to Engine Performance, Electrical and Fuel Systems (8)
ATEC 123	Engine Performance, Electrical and Fuel Systems (4)
ATEC 124	Computer Controlled Engine Management, Fuel Systems and Emissions (4)

8 units from:

ATEC 125	Automotive Electrical Systems (4)
ATEC 127	Electrical, Electronics and Computer Controlled Systems (8)
ATEC 128	Automotive Testing and Diagnosis (4)

8 units from:

ATEC 133	Transmissions, Drive Train & Drive Axles (8)
ATEC 134	Automatic Transmissions (4)
ATEC 135	Manual Transmission, Drive Train and Drive Axles (4)

One course from:

ATEC 141	Engine Rebuilding (8)
ATEC 142	Engine Repair (8)
ATEC 143	Introduction to Engine Repair (4)
ATEC 145	Automotive Machining (4)

Total Units: 36-40

Automotive Brakes/Suspension Transmission/Drive Train Technician – Certificate of Achievement

Program Description: This Automotive Brakes/Suspension, Transmission/Drive Train Technician certificate of achievement includes fundamental courses in automotive brake and suspension systems dealing with maintenance of the modern automobile. Emphasis is on the elementary operating principles and beginning skill development. This is designed to allow students to become familiar with automotive brake and suspension systems and enter the work environment with basic skills. Courses include fundamentals in automotive transmission and drive train systems dealing with maintenance of the modern automobile. Emphasis is on the elementary operating principles and beginning skill development.

Program Requirements:

8 units from:

ATEC 111	Brakes, Suspension and Four Wheel Alignment (8)
ATEC 114	Brakes (4)
ATEC 116	Suspension and Four Wheel Alignment (4)

8 units from:

ATEC 133	Transmissions, Drive Train & Drive Axles (8)
ATEC 134	Automatic Transmissions (4)
ATEC 135	Manual Transmission, Drive Train and Drive Axles (4)

Total Units: 16

Automotive Engine Rebuilding and Repair Technician – Certificate of Achievement

Program Description: The Automotive Engine Rebuilding and Repair Technician certificate of achievement trains students to work as professionals in this field, offering instruction in maintenance, diagnosis and overhaul procedures of electrical and fuel injection systems. By fulfilling the program requirements, students will have gained the skills necessary to maintain, repair, and diagnose electrical, fuel injection systems, and overhaul procedures, as well as basic shop practices needed to meet industry standards. This is theory/practical course in Automotive Technology to include operating principles and descriptions of all components. The emphasis is on diagnosis and measurement of internal engine components. Complete disassembly and reassembly of engines will be accomplished with the emphasis on manufacturer's specialty tools and techniques of overhead cam engines.

Program Requirements:

8 units from:

ATEC 141 Engine Rebuilding (8)

ATEC 142 Engine Repair (8)

4 units from:

ATEC 143 Introduction to Engine Repair (4)

ATEC 145 Automotive Machining (4)

Total Units: 12

Automotive Technician I – Certificate of Achievement

Program Description: The Automotive Technician certificates of achievement train students to work as professionals in this field, offering instruction in maintenance, diagnosis and overhaul procedures of electrical and fuel injection systems. By fulfilling the program requirements, students will have gained the skills necessary to maintain, repair, and diagnose electrical, fuel injection systems, and overhaul procedures, as well as basic shop practices needed to meet industry standards. This is theory/practical course in Automotive Technology to include operating principles and descriptions of all components.

Program Requirements:

Required Core: 32 units:

8 units from:

ATEC 111 Brakes, Suspension and Four Wheel Alignment (8)

ATEC 114 Brakes (4)

ATEC 116 Suspension and Four Wheel Alignment (4)

8 units from:

ATEC 122 Introduction to Engine Performance, Electrical and Fuel Systems (8)

ATEC 123 Engine Performance, Electrical and Fuel Systems (4)

ATEC 124 Computer Controlled Engine Management, Fuel Systems and Emissions (4)

8 units from:

ATEC 125 Automotive Electrical Systems (4)

ATEC 127 Electrical, Electronics and Computer Controlled Systems (8)

ATEC 128 Automotive Testing and Diagnosis (4)

8 units from:

ATEC 133 Transmissions, Drive Train and Drive Axles (8)

ATEC 134 Automatic Transmissions (4)

ATEC 135 Manual Transmission, Drive Train and Drive Axles (4)

One course from:

ATEC 141 Engine Rebuilding (8)

ATEC 142 Engine Repair (8)

ATEC 143 Introduction to Engine Repair (4)

ATEC 145 Automotive Machining (4)

Total Units: 36-40

Automotive Technician II – Certificate of Achievement

Program Description: The Automotive Technician certificates of achievement train students to work as professionals in this field, offering instruction in maintenance, diagnosis and overhaul procedures of electrical and fuel injection systems. By fulfilling the program requirements, students will have gained the skills necessary to maintain, repair, and diagnose electrical, fuel injection systems, and overhaul procedures, as well as basic shop practices needed to meet industry standards. This is theory/practical course in Automotive Technology to include operating principles and descriptions of all components.

Program Requirements:

Required Core: 32 units

8 units from:

ATEC 111 Brakes, Suspension and Four Wheel Alignment (8)

ATEC 114 Brakes (4)

ATEC 116 Suspension and Four Wheel Alignment (4)

8 units from:

- ATEC 122 Introduction to Engine Performance, Electrical and Fuel Systems (8)
 ATEC 123 Engine Performance, Electrical and Fuel Systems (4)
 ATEC 124 Computer Controlled Engine Management, Fuel Systems and Emissions (4)

8 units from:

- ATEC 125 Automotive Electrical Systems (4)
 ATEC 127 Electrical, Electronics and Computer Controlled Systems (8)
 ATEC 128 Automotive Testing and Diagnosis (4)

8 units from:

- ATEC 133 Transmissions, Drive Train and Drive Axles (8)
 ATEC 134 Automatic Transmissions (4)
 ATEC 135 Manual Transmission, Drive Train and Drive Axles (4)

One course from:

- ATEC 141 Engine Rebuilding (8)
 ATEC 142 Engine Repair (8)
 ATEC 143 Introduction to Engine Repair (4)
 ATEC 145 Automotive Machining (4)

Complete 6-10 units from:

- ENGL A Writing the College Essay (3) or placement for English 101
 MTT 146 Basic Machine Tool Operation (3)
 MTT 101 Introduction to Conventional and CNC Machining (4)
 WELD 105 Basic Welding for Allied Fields (3)

Total Units: 42-50**Automotive Tune-Up Technician – Certificate of Achievement**

Program Description: The Automotive Tune-Up Technician certificate of achievement prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. By completing the certificate requirements, the student will gain proficiency in safety practices, automotive service, testing, troubleshooting, brakes, suspension, wheel alignment, engine tune-up, electrical systems, fuel systems (carburetion and fuel injection), emission systems, transmissions, drive trains, engine repair, engine rebuilding, automotive machining, or air conditioning. Competencies will be assessed regularly in accordance with Automotive Service Excellence (ASE) standards. A student completing certificate requirements may expect to enter the industry as a technician in automotive service, repair, tune-up, smog certification, or automotive air conditioning.

Program Requirements:**8 units from:**

- ATEC 122 Introduction to Engine Performance, Electrical and Fuel Systems (8)
 ATEC 123 Engine Performance, Electrical and Fuel Systems (4)
 ATEC 124 Computer Controlled Engine Management, Fuel Systems and Emissions (4)

8 units from:

- ATEC 125 Automotive Electrical Systems (4)
 ATEC 127 Electrical, Electronics and Computer Controlled Systems (8)
 ATEC 128 Automotive Testing and Diagnosis (4)

Total Units: 16**CERTIFICATES OF ACCOMPLISHMENT**

Certificate of Accomplishment is awarded to students who complete the prescribed program with a 2.0 GPA or above.

Automotive Air Conditioning Technician Program Requirements:

- ATEC 181 Automotive Air Conditioning (3)
Total Units: 3

Automotive Brakes and Suspension Technician**Program Requirements:****8 units from:**

- ATEC 111 Brakes, Suspension and Four Wheel Alignment (8)
 ATEC 114 Brakes (4)
 ATEC 116 Suspension and Four Wheel Alignment (4)

Total Units: 8**Automotive Engine Rebuilding and Repair Technician****Program Requirements:****8 units from:**

- ATEC 141 Engine Rebuilding (8)
 ATEC 142 Engine Repair (8)
 ATEC 143 Introduction to Engine Repair (4)
 ATEC 145 Automotive Machining (4)

Total Units: 8

Automotive Transmission and Drive Train Technician

Program Requirements:

8 units from:

ATEC 133	Transmissions, Drive Train and Drive Axles (8)
ATEC 134	Automatic Transmissions (4)
ATEC 135	Manual Transmission, Drive Train and Drive Axles (4)

Total Units: 8

BIOMANUFACTURING

In this biomanufacturing program, students will gain key knowledge, skills, and abilities needed to work in the biomanufacturing industry, which uses biological systems to produce biofuels, vaccines, pharmaceutical drugs, and other therapeutic agents. Students will get hands on experience with production and analysis of biologically relevant molecules. Students learn both basic and advanced techniques in biotechnology and biomanufacturing such as genetic engineering, cell culture, chromatography including HPLC, and biochemical analysis as well as how to do technical writing, approaches to quality in the biomanufacturing industry, and requirements to work in a regulated environment. This program will train students to work as in a variety of jobs, including bioprocessing technicians, research and development lab technicians, and quality control/quality assurance associates.

Program Learning Outcomes:

Upon successful completion of the degree program, students will be able to:

- Successfully perform a technical laboratory task common to the biomanufacturing industry by utilizing the appropriate instruments or equipment safely and effectively.

Program Requirements for A.S.:

BTEC 101	Introduction to Biotechnology (4)
BTEC 150	Techniques in Cell and Molecular Biology (4)
CHEM 102	Fundamentals of Chemistry (5)
BTEC 200	Quality and Regulatory Practices in Biomanufacturing (3)
BTEC 210	Technical Communication for Regulated Environments (1)
MATH 150	Elementary Statistics with Probability (4)

or

MATH 150H	Honors Elementary Statistics with Probability (4)
BTEC 220	Biomanufacturing (4)

Total Units: 25

Biomanufacturing Technician Certificate of Achievement

Program Description: The Biomanufacturing Technician Certificate of Achievement provides training in the theory as well as the practical applications of processes in an industrial biomanufacturing environment. Students gain hands on experience in producing a biologic from start to finish while acquiring skills in quality control, quality assurance, environmental monitoring, and technical writing. This certificate prepares students to enter the workforce as a technician in a research-focused biology lab, a biomanufacturing technician in a regulated setting, or other similar occupations in the food, drug, and biofuels industries.

Program Learning Outcomes:

Upon successful completion of the certificate program, students will be able to:

- Evaluate the most appropriate strategy to purify a given protein based on its biochemical properties.

Program Requirements:

BTEC 101	Introduction to Biotechnology (4)
BTEC 150	Techniques in Cell and Molecular Biology (4)
BTEC 200	Quality and Regulatory Practices in Biomanufacturing (3)
BTEC 210	Technical Communication for Regulated Environments (1)
BTEC 220	Biomanufacturing (4)

Total Units: 16

Biotechnology Laboratory Assistant Certificate of Achievement

The Biotechnology Laboratory Assistant Certificate of Achievement prepares students with the technical skills needed to work in a biotech laboratory. Students in this program receive hands on training in basic laboratory skills including preparation of buffers and other reagents, proper documentation, DNA manipulation, enzymatic assays, protein separation methods, antibody-based methods, and data collection. This program emphasizes cell and molecular biology techniques such as culturing and manipulating both bacterial and mammalian cells using genetic engineering as well as performing protein purification and analysis. This program is ideal for students who want to gain the technical expertise to work effectively in a bioscience laboratory in a supportive role like a laboratory assistant.

Program Learning Outcomes:

Upon successful completion of the certificate program, students will be able to:

- Develop a cloning strategy to insert a gene of interest into a given DNA plasmid.

Program Requirements:

BTEC 101 Introduction to Biotechnology (4)

BTEC 150 Techniques in Cell and Molecular Biology (4)

Total Units: 8

BUSINESS**Business Administration**

The business administration program is designed to provide students with a foundation in basic accounting principles, business law, and macroeconomics and microeconomics theory. Students will be able to apply methodologies to assess fiscal and monetary policy in the marketplace and understand the basics of contract law. A degree in business offers students a wide variety of entry-level career opportunities in accounting, management, marketing, and office administration. Upon successful completion of the program, students will be prepared for entry-level careers and transfer to major in Business Administration. Competencies will be assessed through examination and projects.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Understand and utilize a comprehensive vocabulary of business/marketing terms.
- Communicate effectively in a variety of business situations both orally and in writing.
- Develop the critical thinking skills necessary to address complex business/marketing issues.
- Demonstrate an understanding of the integrated business/marketing planning process.

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 the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn an AS-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General

Education – Breadth Requirements.

3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.
6. Students who have completed the AS-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AS-T.

Program Requirements for AS-T:**Required core: 17-18 units**

BUS 101 Financial Accounting (4)

BUS 102 Managerial Accounting (4)

ECON 101 Principles of Economics:
Macroeconomics (3)

ECON 102 Principles of Economics:
Microeconomics Theory (3)

LAW 104 Legal Environment of Business (4)

or

LAW 105 Business Law (3)

List A (select one): 4-5 units

MATH 140 Finite Mathematics for Business & Social Sciences (4)

MATH 150 Elementary Statistics with Probability (4)

MATH 165 Calculus for Business and Social Sciences (5)

List B (select two): 7 units

CIS 113 Computer Information Systems (4)

BUS 128 Written Business Communications (3)

or

Any course from List A not already taken.

Total Units: 28-30

BUSINESS MANAGEMENT

The program provides students with the opportunity to obtain a degree in business management. The student completing this program will have the ability to organize, operate, and manage business organizations, utilize human resources, improve working relationships, draft letters and reports, and speak in various business situations. Competency will be measured by examinations, presentations, projects, and case problems.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Understand and utilize a comprehensive vocabulary of business/marketing terms.
- Communicate effectively in a variety of business situations both orally and in writing.
- Develop the critical thinking skills necessary to address complex business/marketing issues.
- Demonstrate an understanding of the integrated business/marketing planning process.

Program Requirements for A.S.:

BUS 101	Financial Accounting (4)
or	
BUS 111	Accounting for Small Business (3)
BUS 120	Business Management (3)
BUS 121	Human Resources Management (3)
BUS 122	Human Relations in Organizations (3)
BUS 125	Introduction to Business (3)
BUS 128	Written Business Communications (3)
BUS 129	Oral Business Communications (3)
LAW 105	Business Law (3)
CIS 113	Computer Information Systems (3)

Total Units: 28-29

Business Management – Certificate of Achievement

The Business Management certificate of achievement provides students with the opportunity to obtain a degree or certificate in business management. The student completing this program will have the ability to organize, operate, and manage business organizations, utilize human resources, improve working relationships, draft letters and reports, and speak in various business situations. Competency will be measured by examinations, presentations, projects, and case problems.

Program Goals and Objectives:

Upon completion of the certificate program, students will be able to:

- Identify and understand basic theories, principles, practices, and terminology related to business and management.

- Demonstrate effective leadership, teamwork, and communication skills, while possessing proficient oral, written, and non-verbal techniques to gather and present information.
- Utilize technology, theoretical concepts, and analytical skills to assist with business management related problem solving and decision-making.
- Demonstrate an understanding of the integrated business/marketing planning process.

NOTE: TRANSFER – Students interested in transferring to a four-year college or university should visit the Transfer Center or meet with a counselor to select appropriate transferable courses.

Program Requirement

BUS 120	Business Management (3)
BUS 121	Human Resources Management (3)
BUS 122	Human Relations in Organizations (3)
BUS 125	Introduction to Business (3)
BUS 128	Written Business Communications (3)
BUS 129	Oral Business Communications (3)

Total Units: 18

Retail Management – Certificate of Achievement

The Retail Management certificate of achievement is a comprehensive college program designed to prepare current and future retail employees for a fast-paced and competitive retail environment. This program—designed in collaboration with retail industry leaders—will provide the student with the competencies required to succeed at the management level within the dynamic retail industry.

Program Goals and Objectives:

Upon completion of the certificate program, students will be able to:

- Identify and understand basic theories, principles, practices, and terminology related to business and management.
- Demonstrate effective leadership, teamwork, and communication skills, while possessing proficient oral, written, and non-verbal techniques to gather and present information.
- Utilize technology, theoretical concepts, and analytical skills to assist with business management related problem-solving and decision making.

NOTE: TRANSFER – Students interested in transferring to a four-year college or university should visit the University Transfer Center or meet with a counselor to select appropriate transferable courses.

Program Requirements:

BUS 101	Financial Accounting (4)
or	
BUS 111	Accounting for Small Business (3)
BUS 114	Marketing (3)
BUS 119	Principles of Retailing Management (3)
BUS 120	Business Management (3)
BUS 121	Human Resources Management (3)
BUS 122	Human Relations in Organizations (3)
BUS 129	Oral Business Communications (3)
CIS 113	Computer Information Systems (4)

Total Units: 25-26**MARKETING**

The program is designed to provide students with the opportunity to obtain a degree or certificate in marketing. The student will explore opportunities in the marketing field, acquire basic marketing terminology, applying marketing concepts to the role of marketing in society and in the business firm, and balance factors that influence marketing decision-making in the global economy. Competency will be measured by examinations, projects, and case problems.

Program Learning Outcomes: Upon successful completion of the degree or certificate program, students will be able to:

- Understand and utilize a comprehensive vocabulary of business/marketing terms.
- Communicate effectively in a variety of business situations both orally and in writing.
- Develop the critical thinking skills necessary to address complex business/marketing issues.
- Demonstrate an understanding of the integrated business/marketing planning process.

Program Requirements for A.S.:**Required Core: 22 units**

BUS 112	Advertising (3)
BUS 114	Marketing (3)
BUS 122	Human Relations in Organizations (3)
BUS 125	Introduction to Business (3)
BUS 128	Written Business Communications (3)
CIS 113	Computer Information Systems (4)
LAW 105	Business Law (3)

6-7 units from:

BUS 101	Financial Accounting (4)
or	
BUS 111	Accounting for Small Business (3)
BUS 119	Principles of Retailing Management (3)
or	
BUS 124	Small Business Entrepreneurship (3)

Total Units: 28-29**Marketing – Certificate of Achievement**

The Marketing certificate of achievement is a Career Technical Education (CTE) program, which provides students with credentials that are the key to individual self-efficacy and a meaningful career. Mastery of this curriculum will help students lay the groundwork for managerial competence in the global marketplace. Marketing education also helps students understand basic management functions, their interrelationships, and the organization's competitive niche. There are numerous career opportunities that exist in the Business Field including Industry, Government, and Self-Employment. A minimum of 12 units must be completed at Compton College. Students who anticipate employment with large businesses are advised to take Business 112. Those interested in smaller enterprises should complete BUS 124.

Program Requirements:

BUS 101	Financial Accounting (4)
or	
BUS 111	Accounting for Small Business (3)
BUS 112	Advertising (3)
or	
BUS 124	Small Business Entrepreneurship (3)
BUS 114	Marketing (3)
BUS 122	Human Relations in Organizations (3)
BUS 125	Introduction to Business (3)
BUS 127	Effective English for Business (3)
or	
BUS 128	Written Business Communications (3)
BUS 129	Oral Business Communications (3)
LAW 105	Business Law (3)

Total Units: 24-25

CHILD DEVELOPMENT

The child development program prepares students for careers in private or public programs serving infants, toddlers, preschoolers, children with special needs, or children in before and after school care. Students will acquire the ability to apply developmental theories in observing and assessing children in physical, cognitive, and psychosocial domains and will develop skills needed for working effectively with families, co-workers, and community agencies. Students will also gain the ability to design, implement, and evaluate developmentally appropriate and culturally sensitive curriculum. Program assessment will be conducted regularly through examinations, presentations, student self-assessment, portfolios, and tracking student employment and promotion in the teaching field.

Program Learning Outcomes:

Upon successful completion of the degree or certificate program, students will be able to:

- Integrated Understanding of Children's Needs: Students integrate an understanding of the needs, characteristics and multiple influences on the development of children ranging from birth to adolescence as related to high quality care and education
- Designing Environments for Children: Students design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all children.
- Effective Guidance and Assessment: Students apply effective observation, assessment, guidance and interaction strategies that support all children's social and emotional development

Program Requirements for A.A.:

Required Core: 18 units

- CDEV 103 Child Growth and Development (3)
 CDEV 104 The Home, The School, The Community (3)
 CDEV 108 Principles and Practices of Teaching Young Children (3)
 CDEV 112 Teaching Young Children in a Diverse Society (3)
 CDEV 114 Observing and Assessing Young Children (3)
 CDEV 150 Introduction to Children with Special Needs (3)
 or
 CDEV 152 Curriculum and Strategies for Children with Special Needs (3)

6 units from:

- CDEV 115 Introduction to Curriculum (3)
 CDEV 116 Creative Art for Young Children (3)
 CDEV 117 Music and Movement for Young Children (3)
 CDEV 118 Science and Math for Young Children (3)
 CDEV 119 Language Arts for Young Children (3)

3 units from:

- CDEV 106 Care and Education for Infants and Toddlers (3)
 CDEV 107 Infant/Toddler Development (3)
 CDEV 110 Child Health, Safety, and Nutrition (3)
 CDEV 115 Introduction to Curriculum (3)
 CDEV 116 Creative Art for Young Children (3)
 CDEV 117 Music and Movement for Young Children (3)
 CDEV 118 Science and Math for Young Children (3)
 CDEV 119 Language Arts for Young Children (3)
 CDEV 125 Child Development Practicum I (3)
 CDEV 126 Child Development Practicum II (3)
 CDEV 129 Introduction to Program Administration (3)
 CDEV 130 Principles of Program Administration (3)
 CDEV 131 Supervising and Mentoring Adults (3)
 CDEV 150 Introduction to Children with Special Needs (3)
 CDEV 152 Curriculum and Strategies for Children with Special Needs (3)
 CDEV 154 Role and Responsibilities of the Special Education Assistant (3)
 CDEV 165 Autism, ADHD, Physical and Health Impairments (3)
 CDEV 169 Special Education Practicum (3)
 NFOO 115 Nutrition for Infants and Young Children (3)

Total Units: 27

EARLY CHILDHOOD EDUCATION

The program prepares students for careers in private or public programs serving infants, toddlers, preschoolers, children with special needs, or children in before and after school care. The transfer degree option prepares students to continue studies at a four-year institution and major in Child Development, Child and Adolescent Development, Human Development, or Education. Students will acquire the ability to apply developmental theories in observing and assessing children in physical, cognitive, and psychosocial domains and will develop skills needed for working effectively with families, coworkers, and community agencies. Upon successful completion of the program, students will be prepared for careers in child care with infants and toddlers, preschool teaching, assistant teaching, and related careers in childhood education. Program assessment will be conducted regularly through examinations, presentations, student self-assessment, portfolios, and tracking student employment and promotion in the teaching field.

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 the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn an AS-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.

Students who have completed the AS-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AS-T.

Program Requirements for AS-T:

Required Core: 18 units

CDEV 103	Child Growth and Development (3)
CDEV 104	The Home, The School, The Community (3)
CDEV 108	Principles and Practices of Teaching Young Children (3)
CDEV 110	Child Health, Safety, and Nutrition (3)
CDEV 112	Teaching Young Children in a Diverse Society (3)
CDEV 114	Observing and Assessing Young Children (3)
CDEV 115	Introduction to Curriculum (3)
CDEV 125	Child Development Practicum I (3)
	or
CDEV 126	Child Development Practicum II (3)

Total Units: 24

Early Childhood Education – Certificate of Achievement

The certificate in Early Childhood Education prepares students to be competent and effective caregivers in settings for young children ages 0-5. It is designed to meet the minimum requirements of the Department of Social Services to teach in licensed private preschools and childcare programs. This is an entry-level career choice. The certificate can be earned with coursework, which include core and prerequisite courses, with a minimum grade of "C" in each course requirement. This certificate also meets some of the coursework requirements for the Associate Teacher level of the California State Child Development Permit but additional work experience with young children (50 days or 3+ hours per day within 2 years) is also required for the state permit.

Note: Proof of a valid Pediatric CPR and First Aid Certification and immunizations may be required for employment.

Program Requirements:

Required Core: 15 units

CDEV 103	Child Growth and Development (3)
CDEV 104	The Home, The School, The Community(3)
CDEV 108	Principles and Practices of Teaching Young Children (3)
CDEV 112	Teaching Young Children in a Diverse Society (3)
CDEV 114	Observing and Assessing Young Children (3)

3 units from:

CDEV 115	Introduction to Curriculum (3)
CDEV 116	Creative Art for Young Children (3)
CDEV 117	Music and Movement for Young Children (3)
CDEV 118	Science and Math for Young Children (3)
CDEV 119	Language Arts for Young Children (3)

Total Units: 18

Early Intervention Assistant – Certificate of Achievement

The certificate for Early Intervention Assistant affords students career placements in public and/or private early intervention and educational settings that service typically and atypically developing young children. Specific jobs and responsibilities may include serving as a special education assistant for children birth to five years of age, a one-to-one aide to a child, regular classroom aide with expertise in special needs, or as an assistant to the early intervention team for children ages 0-5. These students can work with young children with disabilities or who may be at-risk for developmental delays and disabilities.

Note: Proof of a valid Pediatric CPR and First Aid Certification and immunizations may be required for employment.

Program Requirements:**Required Core: 21 units**

CDEV 103 Child Growth and Development (3)

CDEV 104 The Home, The School,
The Community(3)CDEV 106 Care and Education for Infants
and Toddlers (3)

or

CDEV 107 Infant/Toddler Development (3)

CDEV 110 Child Health, Safety, and Nutrition (3)

CDEV 150 Introduction to Children with
Special Needs (3)CDEV 152 Curriculum and Strategies for Children
with Special Needs (3)

CDEV 169 Special Education Practicum (3)

6 units from:

CDEV 115 Introduction to Curriculum (3)

CDEV 116 Creative Art for Young Children (3)

CDEV 117 Music and Movement for
Young Children (3)

CDEV 118 Science and Math for Young Children (3)

CDEV 119 Language Arts for Young Children (3)

3 units from:CDEV 106 Care and Education for Infants
and Toddlers (3)

CDEV 107 Infant/Toddler Development (3)

CDEV 114 Observing and Assessing
Young Children (3)CDEV 165 Autism, ADHD, Physical and
Health Impairments (3)**Total Units: 30****Special Education Assistant –
Certificate of Achievement**

The certificate for Special Education Assistant prepares students to individualize lesson plans and instructions to meet the needs of those with varying disabilities. Aides or assistants will be able to work with children with diverse learning needs and their families and adapt or modify according to their respective situations. Students will learn federal and state laws to ensure that all children with disabilities are provided a free and appropriate public education.

Note: Proof of a valid Pediatric CPR and First Aid Certification and immunizations may be required for employment.

Program Requirements:**Required Core: 18 units**

CDEV 103 Child Growth and Development (3)

CDEV 104 The Home, The School,
The Community (3)

CDEV 110 Child Health, Safety, and Nutrition (3)

CDEV 150 Introduction to Children with
Special Needs (3)CDEV 152 Curriculum and Strategies for Children
with Special Needs (3)

or

CDEV 165 Autism, ADHD, Physical and
Health Impairments (3)

CDEV 169 Special Education Practicum (3)

3 units from:

CDEV 115 Introduction to Curriculum (3)

CDEV 116 Creative Art for Young Children (3)

CDEV 117 Music and Movement for
Young Children (3)

CDEV 118 Science and Math for Young Children (3)

CDEV 119 Language Arts for Young Children (3)

6 units from:CDEV 108 Principles and Practices of Teaching
Young Children (3)CDEV 112 Teaching Young Children in a
Diverse Society (3)CDEV 114 Observing and Assessing
Young Children (3)CDEV 152 Curriculum and Strategies for Children
with Special Needs (3)CDEV 165 Autism, ADHD, Physical and
Health Impairments (3)NFOO 115 Nutrition for Infants and
Young Children (3)

SLAN 111 American Sign Language I (4)

Total Units: 27**COMMUNICATIONS STUDIES**

The degree provides students with a thorough foundation in the theory and practice of communication studies. This is achieved through a variety of courses that serve to develop personal, business, and professional communication skills in individual, interpersonal, and group situations, along with skills in research, organization, critical thinking, argumentation, and forensics. Students will demonstrate their proficiency through performance, class projects, research papers, objective tests, critiques, and competitions.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a

major or area of emphasis, as determined by the community college district.

4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes:

Upon successful completion of the degree program, students will be able to:

- Conduct sound research and describe and demonstrate basic concepts of rhetorical theory related to ethos, pathos, and logos.
- Ethos, Pathos, and Logos: Conduct sound research and describe and demonstrate basic concepts of rhetorical theory related to ethos, pathos and logos.
- Explain the symbolic nature of communication and how culture influences communication in individual, group, and business interactions. Symbolic Nature: Explain the symbolic nature of communication and how culture influences communication in individual, group, and business interactions.
- Demonstrate advanced proficiency in verbal and non-verbal communication skills in speech and forensics settings. Verbal and Non-verbal Communication: Demonstrate advanced proficiency in verbal and non-verbal communication skills in speech and forensics settings.

Program Requirements for AA-T:

Required Core: 3 units

COMS 100 Public Speaking (3)

List A: 6 units

COMS 120 Argumentation and Debate (3)
COMS 130 Interpersonal Communication (3)
COMS 140 Small Group Communication (3)

List B: 6 units

Any course from List A not already completed
COMS 250 Oral Interpretation of Literature (3)
COMS 260 Introduction to Intercultural Communication (3)

List C: 3 units

Any course from List A or List B not already completed
ANTH 102 Introduction to Cultural Anthropology (3)
ANTH 104 Language and Culture (3)
COMS 270 Organizational Communication (3)
ENGL 102 Literature and Composition (3)
or
ENGL 102H Honors Literature and Composition (3)
PSYC 101 General Psychology (3)
SOC 101 Introduction to Sociology (3)

Total Units: 18

COMPUTER INFORMATION SYSTEMS

The program is intended for students interested in information systems and can lead to career opportunities as software specialists, web programmers, database developers, systems analysts, or network administrators. A variety of courses will enable students to learn project management, perform systems analysis and design, create business software including websites, desktop applications, mobile apps, manage business data using spreadsheets and databases, implement cybersecurity measures, handle help desk incident reports, and install and maintain small and large LANs (local area networks). Students will demonstrate their proficiency through performance in laboratory exercises and objective examinations. Program assessment is measured by program completion and periodic program review.

Program Learning Outcomes:

Upon successful completion of the degree or certificate program, students will be able to:

- Explain ethical, legal, and societal implications inherent in information technology and understand the professional responsibilities of a computer professional.
- Demonstrate proficiency in common industry software applications, cyber applications, and Network security to effectively analyze business problems and communicate decisions.
- Demonstrate the ability to use computer information concepts and critical thinking skills to analyze business problems, and design, develop and implement appropriate software solutions, using a variety of software tools and computer languages.
- Professional Awareness: Explain ethical, legal and societal implications inherent in

information technology and understand the professional responsibilities of a computer professional

- Business Communication: Demonstrate proficiency in common industry software applications, cyber applications and Network security to effectively analyze business problems and communicate decisions
- Skill Development: Demonstrate the ability to use computer information concepts and critical thinking skills to analyze business problems, and design, develop and implement appropriate software solutions, using a variety of software tools and computer languages.

Program Requirements for A.S. degree:

Required Core: 9 units

CIS 113 Computer Information Systems (3)

CIS 120 Internet, Social Networking, and the Web (3)

CIS 126 Systems Analysis and Design (3)

6 units from:

CIS 116 Using Microsoft Excel (3)

CIS 119 Database Management Using Microsoft Access (3)

or

CIS 140 Introduction to Networks Cisco 1 (3)

CIS 141 Routing and Switching Essentials Cisco 2 (3)

Select one of the following groups of courses:

9-14 units

Help Desk:

BUS 127 Effective English for Business (3)

CIS 131 Help Desk Operations (3)

CIS 132 Personal Computer Support and Networking(3)

Mobile and Web Programming:

CIS 124 Introduction to Electronic Commerce (3)

CIS 170 Mashup JavaScript, jQuery and AJAX (4)

CIS 174 ASP.NET with C# Business Web Programming (4)

CIS 176 Building Mobile Apps (3)

Total Units: 24-29

Computer Systems Applications – Certificate of Achievement

Program Description: The Computer Systems Applications certificate of achievement is intended for students interested in information systems, and can lead to career opportunities as software specialists, web programmers, database developers, systems analysts or network administrators. The variety of courses will enable students to learn project management, perform systems analysis and design, create business software including websites,

desktop applications, mobile apps, manage business data using spreadsheets and databases, implement cybersecurity measures, handle help desk incident reports, and install and maintain small and large LANs (local area networks). Students will demonstrate their proficiency through performance in laboratory exercises and objective examinations. Program assessment is measured by program completion and periodic program review.

Program Requirements:

Required Core: 15 units

CIS 113 Computer Information Systems (3)

CIS 116 Using Microsoft Excel (3)

CIS 119 Database Management Using Microsoft Access (3)

CIS 120 Internet, Social Networking, and the Web (3)

CIS 126 Systems Analysis and Design (3)

Programming: 3-4 units

CIS 160 Application Development and Programming Using Visual Basic.Net (3)

CIS 170 Mashup JavaScript, jQuery and AJAX (4)

CIS 174 ASP.NET with C# Business Web Programming (4)

CIS 176 Building Mobile Apps (3)

User Support: 3 units

CIS 131 Help Desk Operations (3)

CIS 132 Personal Computer Support and Networking (3)

Total Units: 21-22

COSMETOLOGY

The cosmetology program offers students the option to gain proficiency in hair cutting, coloring, permanent waving, chemical relaxing, manicuring, pedicuring, and facials. After completing introduction to cosmetology, Cosmetology Level I (Certificate of Accomplishment), students will have the basic skills for entry level positions as specified by the State Board of Cosmetology. Cosmetology Level II (Certificate of Achievement) will give the student intermediate skills to work in the cosmetology industry. Completion of Cosmetology Level III (Associate of Science) will give students 1600 hours and prepares them to take the California State Board of Cosmetology Examination. Competencies are assessed regularly in compliance with the California State Board of Cosmetology criteria. After successful completion of the California State Board of Cosmetology Examination, students will have a state license to embark on their new career.

Program Learning Outcomes:

Upon successful completion of the degree or certificate program, student will be able to:

- Licensure Exam: pass mock board written and practical exams with a 70% or above designed to gain cosmetology licensure through the California State Board of Barbering and Cosmetology.
- Cosmetology Practicum: perform a chemical procedure on a mannequin and follow the manufacturer's directions when applying chemicals to the hair.
- Advanced Cosmetology: perform a requested service on a paying patron while on the clinic floor that reflects a service required by employers in the cosmetology industry.

Program Requirements for A.S. Degree:**16 units from:**

COSM 101 Introduction to Cosmetology Procedures (16)

or

COSM 104/105 Introduction to Cosmetology I/II (16)

24 units from:

COSM 110 Intermediate Cosmetology (8)

COSM 112 Advanced Cosmetology (8)

COSM 114 Advanced Cosmetology and Introduction to State Board Review (8)

4-8 units from:

COSM 116 Advanced Preparation for State Board Review (8)

COSM 125 Cosmetology Applications (4)

COSM 130 Advanced Cosmetology Applications (6)

COSM 140 Cosmetology Practicum (4)

Total Units: 48

Cosmetology Level II – Certificate of Achievement

Program Description: The Cosmetology Level II certificate of achievement gives students 1600 hours prepares them to take the California State Board of Cosmetology Examination. Competencies are assessed regularly in compliance with the California State Board of Cosmetology criteria. After successful completion of the California State Board of Cosmetology Examination, students will have a state license to embark on their new career.

Program Requirements:**Required Core: 16 units**

COSM 101 Introduction to Cosmetology Procedures (16)

or

COSM 104/105 Introduction to Cosmetology I/II (16)

24 units from:

COSM 110 Intermediate Cosmetology (8)

COSM 112 Advanced Cosmetology (8)

COSM 114 Advanced Cosmetology and Introduction to State Board Review (8)

4-8 units from:

COSM 116 Advanced Preparation for State Board Review (8)

COSM 125 Cosmetology Applications (4)

COSM 130 Advanced Cosmetology Applications (6)

COSM 140 Cosmetology Practicum (4)

Total Units: 44-48

CERTIFICATES OF ACCOMPLISHMENT

Certificate of Accomplishment is awarded to students who complete the prescribed program with a 2.0 GPA or above.

Cosmetology Level I**Program Requirements:****Required Core: 161 units**

COSM 101 Introduction to Cosmetology Procedures (16)

or

COSM 104/105 Introduction to Cosmetology I/II (16)

Total Units: 16

EARLY CHILDHOOD EDUCATION

The program prepares students for careers in private or public programs serving infants, toddlers, preschoolers, children with special needs, or children in before and after school care. The transfer degree option prepares students to continue studies at a four-year institution and major in Child Development, Child and Adolescent Development, Human Development, or Education. Students will acquire the ability to apply developmental theories in observing and assessing children in physical, cognitive, and psychosocial domains and will develop skills needed for working effectively with families, coworkers, and community agencies. Upon successful completion of the program, students will be prepared for careers in child care with infants and toddlers, preschool teaching, assistant teaching, and related careers in childhood education. Program assessment will be conducted regularly through examinations, presentations, student self-assessment, portfolios, and tracking student employment and promotion in the teaching field.

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 the AS-T are guaranteed admission to the CSU system, but not to a particular

campus or major. In order to earn an AS-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade- point average of 2.0.
5. A grade of “C” (or “P”) or better in all courses required for the major or area of emphasis.

Students who have completed the AS-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AS-T.

Program Learning Outcomes: Upon successful completion of the degree or certificate program, students will be able to:

- Integrated Understanding of Children's Needs: Students integrate an understanding of the needs, characteristics, and multiple influences on the development of children ranging from birth to adolescence as related to high quality care and education.
- Designing Environments for Children: Students design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all children.
- Effective Guidance and Assessment: Students apply effective observation, assessment, guidance, and interaction strategies that support all children’s social and emotional development.

Program Requirements for AS-T:

Required Core: 18 units

CDEV 103	Child Growth and Development (3)
CDEV 104	The Home, The School, The Community (3)
CDEV 108	Principles and Practices of Teaching Young Children (3)
CDEV 110	Child Health, Safety, and Nutrition (3)

CDEV 112	Teaching Young Children in a Diverse Society (3)
CDEV 114	Observing and Assessing Young Children (3)
CDEV 115	Introduction to Curriculum (3)
CDEV 125	Child Development Practicum I (3)
or	
CDEV 126	Child Development Practicum II (3)

Total Units: 24

Early Childhood Education – Certificate of Achievement

The certificate in Early Childhood Education prepares students to be competent and effective caregivers in settings for young children ages 0-5. It is designed to meet the minimum requirements of the Department of Social Services to teach in licensed private preschools and childcare programs. This is an entry-level career choice. The certificate can be earned with coursework, which include core and prerequisite courses, with a minimum grade of “C” in each course requirement. This certificate also meets some of the coursework requirements for the Associate Teacher level of the California State Child Development Permit but additional work experience with young children (50 days or 3+ hours per day within 2 years) is also required for the state permit.

Note: Proof of a valid Pediatric CPR and First Aid Certification and immunizations may be required for employment.

ENGINEERING TECHNOLOGY Engineering Technician Certificate of Achievement

The Engineering Technician Certificate of Achievement prepares students with skills and knowledge required for employment as an engineering aide, computer aided drafter, designer, engineering technician, or other technical support position in the field of engineering. The students demonstrate proficiency in document designs with appropriate technical drawings, perform and record engineering tests, and develop solutions for common engineering problems.

Program Learning Outcomes: Upon successful completion of the certificate program, students will be able to:

- Demonstrate an understanding of the relationships between manufacturing technology, engineering materials and components, engineering measurements, engineering analysis, and engineering design.
- Create industry standard mechanical and civil drawings.

Program Requirements**Required Core: 16 units**

ETEC 110 Principles of Engineering Technology (3)

or

ETEC 110A Principles of Engineering Technology I (1.5)

and

ETEC 110B Principles of Engineering Technology II (1.5)

ETEC 112 Introduction to Engineering Design (3)

or

ETEC 112A Introduction to Engineering Design I (1.5)

and

ETEC 112B Introduction to Engineering Design II (1.5)

ETEC 114 Electronics for Engineering Technologists (3)

or

ETEC 114A Electronics for Engineering Technologists I (1.5)

and

ETEC 114B Electronics for Engineering (1.5)

ETEC 116 Computer Integrated Manufacturing (3)

or

ETEC 116A Computer Integrated Manufacturing I (1.5)

and

ETEC 116B Computer Integrated Manufacturing II (1.5)

MTT 101 Introduction to Conventional and CNC Machining (4)

5-9 units from:

ETEC 115 Aerospace Engineering (3)

or

ETEC 115A Aerospace Engineering I (1.5)

and

ETEC 115B Aerospace Engineering II (1.5)

ETEC 118 Engineering Design and Development (3)

or

ETEC 118A Engineering Design and Development I (1.5)

and

ETEC 118B Engineering Design and Development II (1.5)

MTT 160 General Metals (3)

MTEC 170 Basic Robotics (2)

MTEC 175A Integrated Robotic and Automated Technologies I (1.5)

and

MTEC 175B Integrated Robotic and Automated Technologies II (1.5)

WELD 105 Basic Welding for Allied Fields (3)

Total Units: 21-25

ENGLISH

The English program develops the student's ability to read multiple genres with understanding and discernment. The student will acquire competence in writing college-level expository essays and applying research strategies. The student will also develop interpretive and analytical skills through exposure to a wide range of literature. Competencies will be assessed primarily by evaluating the student's critical thinking abilities as demonstrated through written work. Completion of the program prepares the English major for any profession or industry requiring strong communication skills as well as transfer.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes:

Upon successful completion of the degree program, students will be able to:

- Composition Writing: demonstrate readiness for transfer-level composition courses by composing an appropriately developed expository message

that integrates and documents sources. The essay should include an introduction with a thesis, body paragraphs with topic sentences, a conclusion and a Works Cited page, and be relatively free of errors in grammar and mechanics.

- Literary Knowledge: demonstrate knowledge of literary elements, and familiarity with authors and cultural contexts of representative works.
- MLA Formatting: create a thesis-driven, coherent, unified, and well-developed essay in MLA format that demonstrates reading and writing competency at the transfer level.
- Creative Writing Process: demonstrate knowledge of the creative writing process, an understanding of a variety of creative writing conventions, the ability to critique the work of others, and the ability to produce and revise their own written work within a specific creative genre.
- Analysis and Comprehension Skills: give evidence of preparedness for transfer-level composition courses by successfully comprehending and analyzing essay-length non-fiction texts written for college-bound readers at both literal and critical levels of meaning.

Program Requirements for AA-T Degree:

Required Core: 6 units

- ENGL 102 Literature and Composition (3)
 ENGL 102H Honors Literature and Composition (3)
 ENGL 103 Critical Thinking and Composition (3)
 ENGL 103H Honors Critical Thinking
 and Composition (3)

List A: 6 units

- ENGL 150 Survey of British Literature I (3)
 ENGL 152 Survey of British Literature II (3)
 ENGL 240 American Literature I (3)
 ENGL 241 American Literature II (3)

List B: 3 units

Any course from List A not already completed

- ENGL 123 Creative Writing: Introduction to Poetry (3)
 ENGL 127 Creative Writing: Introduction to the
 Craft of Fiction (3)
 ENGL 242 Chicano and Latinx Literature (3)
 ENGL 243 African American Literature (3)
 ENGL 244 The Literature of American Ethnic
 Groups (3)

List C: 3-5 units

Any course from List A or List B not already completed

- ENGL 120 Introduction to Fiction (3)
 ENGL 227 Children's Literature (3)
 ENGL 228 Images of Women in Literature (3)
 ENGL 235 Creative Writing: Screenwriting (3)
 ENGL 238 Survey of Film: 1950 to the Present (3)

- ENGL 239 Literature and Film (3)
 ENGL 248 Modern Literature of Latin America (3)
 HUM 101 An Introduction to the Humanities (3)
 JAPA 101 Elementary Japanese I (5)
 JAPA 102 Elementary Japanese II (5)
 JOUR 101 News Writing and Reporting (3)
 SPAN 101 Elementary Spanish I (5)
 SPAN 102 Elementary Spanish II (5)
 SPAN 103 Intermediate Spanish I (5)
 SPAN 104 Intermediate Spanish II (5)
 SPAN 105 Advanced Spanish I (3)
 SPAN 106 Advanced Spanish II (3)
 SPAN 152 Spanish for Native Speakers I (5)
 SPAN 153 Spanish for Native Speakers II (5)

Total Units: 18-20

ENGLISH AS A SECOND LANGUAGE Personal Care Attendant Certificate of Completion

The Personal Care Attendant Program is designed for ESL learners interested in preparing for careers in healthcare. Students gain a general knowledge of healthcare settings, careers, and terminology. This includes the major body systems and their basic functions. Emphasis is on terminology and communication skills for interacting with patients and professionals in the medical field. Topics include anatomy, diseases, symptoms, common medical tests, procedures, communication, safety, medical emergencies, first aid, and pharmacology.

Program Learning Outcomes: Upon successful completion of the certificate programs, students will be able to:

- Use key medical terms in speaking and writing.
- Understand major body systems and their functions.
- Practice strong communication skills for interacting with patients and professionals in the field.
- Analyze common diseases and their symptoms.
- Distinguish common medical tests and their procedures.
- Assess medical emergencies and distinguish best first aid practices.

Program Requirements:

- ESL 04A ESL for Healthcare I (0)
 ESL 04B ESL for Healthcare II (0)
 ESL 8 ESL for Medical Terminology (0)

ETHNIC STUDIES

The degree in ethnic studies provides students with an interdisciplinary foundation for the study of American ethnic groups. The degree can be earned in a single ethnic subject category or in the combined American cultures option. The curriculum incorporates a range of cultural, historical, political, and sociological methodologies that provide

students with a theoretical framework for analysis of the contributions, role and major issues of African Americans and Chicanos. Students will apply these theoretical perspectives to analyze socioeconomic and political factors that confront ethnic minorities as they interact with the majority society. Competencies will be assessed through examinations, essays, research papers, and directed projects.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Analyze in a written or oral thesis the theoretical and conceptual social science constructs applied to contemporary issues relative to the specific disciplines of Anthropology, Ethnic Studies, Economics, Sociology, and Women's Studies.
- Apply critical thinking methodology that is consistent within the specific discipline of the program.
- Formulate research that is designed to examine social issues in a specific discipline of the program.

Program Requirements for A.A in African American Studies Options:

Required Core: 18 units

ENGL 243	African American Literature (3)
ESTU 101	Introduction to Ethnic Studies (3)
HIST 110	The African American in the United States to 1877 (3)
HIST 111	The African American in the United States from 1877 to the Present (3)
HIST 183	Introduction to African History, Prehistory to 1885 (3)
PSYC 110	African American Psychology (3)

3 units from:

ART 209	History of African Art (3)
ENGL 244	The Literature of American Ethnic Groups (3)
HIST 122	United States Social History: Cultural Pluralism in America (3)
HIST 184	Introduction to African History, 1885 to the Present (3)
MUSI 113	Survey of Jazz (3)
POLI 105	Ethnicity in the American Political Process (3)
SOCI 104	Social Problems (3)
SOCI 107	Issues of Race and Ethnicity in the United States (3)

Total Units: 21

Program Requirements for the A.A. in American Cultures Options:

Required Core: 3 units

ESTU 101	Introduction to Ethnic Studies (3)
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15 units from:

ANTH 106	Native Peoples of North America (3)
ART 207	Art History of Mexico and Central and

	South America (3)
ENGL 242	Chicano and Latinx Literature (3)
ENGL 243	African American Literature (3)
ENGL 244	The Literature of American Ethnic Groups (3)
ESTU 103	The Chicano in Contemporary United States Society (3)
ESTU 105	Chicano Culture (3)
HIST 108	United States History: The American Indian Experience (3)
HIST 110	The African American in the United States to 1877 (3)
HIST 111	The African American in the United States from 1877 to the Present (3)
HIST 112	History of the Chicano in the United States (3)
HIST 122	United States Social History: Cultural Pluralism in America (3)
PSYC 110	African American Psychology (3)
SOCI 107	Issues of Race and Ethnicity in the United States (3)

3 units from:

ANTH 102	Introduction to Cultural Anthropology (3)
HIST 154	A History of Mexico (3)
HIST 175	History of Asian Civilizations to 1600 (3)
HIST 176	History of Asian Civilizations from 1600 to the Present (3)
HIST 183	Introduction to African History, Prehistory to 1885 (3)
HIST 184	Introduction to African History, 1885 to the Present (3)
MUSI 113	Survey of Jazz (3)
POLI 105	Ethnicity in the American Political Process (3)
SOCI 104	Social Problems (3)

Total Units: 21

Program Requirements for A.A. in Chicano Studies Option:

Required Core: 18 units

ART 207	Art History of Mexico and Central and South America (3)
ENGL 242	Chicano and Latinx Literature (3)
ESTU 103	The Chicano in Contemporary United States Society (3)
ESTU 105	Chicano Culture (3)
HIST 112	History of the Chicano in the United States (3)
HIST 154	A History of Mexico (3)

3 units from:

ENGL 244	The Literature of American Ethnic Groups (3)
ESTU 101	Introduction to Ethnic Studies (3)
POLI 105	Ethnicity in the American Political Process (3)
SOCI 104	Social Problems (3)
SOCI 107	Issues of Race and Ethnicity in the United States (3)

Total Units: 21

GENERAL SCIENCE

The general science program provides students the opportunity to investigate diverse methods of inquiry by experiencing courses from a cross section of science disciplines. Students will develop critical thinking skills, learn to communicate effectively in writing, and acquire an understanding of major scientific concepts. Through course options, students will use mathematical concepts to solve problems and employ methods of scientific inquiry to understand the world around them. Completion of the degree requirements will prepare students with the skills and resources needed to facilitate academic and career decisions. Competencies will be assessed through regularly scheduled theory and laboratory examinations.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Trace the development of a scientific ideas from gathering of data through development of a hypothesis to testing a prediction.
- Make scientific measurements and demonstrate the difference between disagreement and error.
- Read a simple graph or diagram and interpret the results appropriately.

Program Requirements for A.S. Degree:

Required Core: 8-10 units

Complete one of the following two-semester sequences:

BIOL 101/102* Principles of Biology I/II

*Honors classes may substitute (10)

or

CHEM 150/152 General Chemistry I/II (10)

PHYS 150/152 Mechanics of Solids/Fluids, Heat and Sound (8)

or

PHYS 150/250 Mechanics of Solids/Electricity and Magnetism (8)

or

PHYS 120/122 General Physics (8)



Complete an additional 10-13 units from:

A minimum of one Physical Science course:

ASTR 120	The Solar System (3) or
ASTR 120H	Honors The Solar System (3)
ASTR 125	Stars and Galaxies (3)
or	
ASTR 125H	Honors Stars and Galaxies (3)
ASTR 128	Astronomy Laboratory (1)
CHEM 150	General Chemistry I (5)
CHEM 152	General Chemistry II (5)
CHEM 104	Beginning Chemistry (5)
CHEM 104H	Honors Beginning Chemistry (5)
GEOG 101	Physical Geography (3)
GEOL 101	Physical Geology (3)
GEOL 102	History of Planet Earth (3)
GEOL 103	Physical Geology Laboratory (1)
GEOL 104	History of Planet Earth Laboratory (1)
GEOL 115	Natural Disasters (3)

A minimum of one Biological Science course:

ANAT 132	General Human Anatomy (4)
BIOL 100	Fundamentals of Biology (4) or
BIOL 100H	Honors Fundamentals of Biology (4)
BIOL 101	Principles of Biology I (5)
or	
BIOL 101H	Honors Principles of Biology I (5)
BIOL 102	Principles of Biology II (5)
or	
BIOL 102H	Honors Principles of Biology II (5)
BIOL 117	Marine Biology (3)
BIOL 118	Marine Biology Laboratory (1)
MICR 133	General Microbiology (5)
PHYO 131	Human Physiology (4)

Total Units: 22-28

GENERAL STUDIES A.A.

The Associate of Arts Degree in General Studies provides students with the opportunity to explore diverse methods of inquiry by selecting courses from a cross section of disciplines in an "area of emphasis" which includes in Arts and Humanities, Fine and Applied Arts, Culture and Communication, Social and Behavior Sciences, Biological and Physical Sciences, and Kinesiology and Wellness. Students will develop critical thinking skills, learn to communicate effectively in writing, acquire an understanding of major concepts to solve problems, and employ methods of scientific inquiry to understand the world around them. Completion of the degree requirements will provide students with the skills and resources needed to make informed academic and career-related decisions.

Completion of the General Studies degree does not guarantee acceptance into a four-year university. Students planning to transfer to a CSU

or UC should follow the CSU GE Breadth or IGETC pattern and complete transferable coursework that relates to the major at the CSU or UC campus. For further information and course selection, please consult with an academic counselor.

General Studies: Arts and Humanities

These courses emphasize the appreciation of arts and humanities through cultural 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 interested in transferring to a four-year university will have a basic foundation for further studies in areas such as arts, communications, English, foreign language, film studies, literature, history, journalism, or philosophy. This emphasis may be useful for students interested in possible career paths in fine arts, education, administration, or public service.

Program Requirements for AA Degree: Select 18 units with at least one course in Arts and one course in Humanities

Arts:

ART 101	Art and Visual Culture A Global Perspective (3)
ART 102	History of Western Art – Prehistoric to Gothic (3)
ART 103	History of Western Art – Proto-Renaissance to 19th Century (3)
ART 104	History of Western Art – 19th Century to Contemporary Times (3)
ART 109	Contemporary Art in World Cultures (3)
ART 207	Art History of Mexico and Central and South America (3)
ART 209	History of African Art (3)
COMS 250	Oral Interpretation of Literature (3)
DANC 101	Dance Appreciation (3)
DANC 103	History of Dance in the 20th Century (3)
FILM 110	Film Analysis and Appreciation (3)
FILM 113	Screenplay Analysis (3)
MUSI 101	Music Fundamentals (3)
MUSI 111	Music Appreciation Survey (3)
MUSI 112	Music Cultures of the World (3)
MUSI 113	Survey of Jazz (3)
MUSI 116	History of Rock Music (3)
MUSI 215A	Music History and Literature up to 1750 (3)
MUSI 215B	Music History and Literature – 1750 to Present (3)
THEA 103	Theatre Appreciation (3)
THEA 104	Dramatic Literature (3)
THEA 113	Introduction to Acting (3)

Humanities:

COMS 100	Public Speaking (3)
COMS 120	Argumentation and Debate (3)
COMS 130	Interpersonal Communication (3)
COMS 140	Small Group Communication (3)
COMS 260	Introduction to Intercultural Communication (3)
COMS 270	Organizational Communication (3)
ENGL 102	Literature and Composition (3)
ENGL 102H	Honors Literature and Composition (3)
ENGL 103	Critical Thinking and Composition (3)
ENGL 103H	Honors Critical Thinking and Composition (3)
ENGL 120	Introduction to Fiction (3)
ENGL 123	Creative Writing: Introduction to Poetry (3)
ENGL 127	Creative Writing: Introduction to the Craft of Fiction (3)
ENGL 150	Survey of British Literature I (3)
ENGL 152	Survey of British Literature II (3)
ENGL 227	Children's Literature (3)
ENGL 228	Images of Women in Literature (3)
ENGL 235	Creative Writing: Screenwriting (3)
ENGL 238	Survey of Film: 1950 to the Present (3)
ENGL 239	Literature and Film (3)
ENGL 240	American Literature I (3)
ENGL 241	American Literature II (3)
ENGL 242	Chicano and Latinx Literature (3)
ENGL 243	African American Literature (3)
ENGL 244	The Literature of American Ethnic Groups (3)
HIST 101	United States History to 1877 (3)
HIST 102	United States History from 1877 to the Present (3)
HIST 105	Women and American History from the Colonial Era to 1877 (3)
HIST 106	Women and American History from 1877 to the Present (3)
HIST 108	United States History: The American Indian Experience (3)
HIST 110	The African American in the United States to 1877 (3)
HIST 111	The African American in the United States from 1877 to the Present (3)
HIST 112	History of the Chicano in the United States (3)
HIST 122	United States Social History: Cultural Pluralism in America (3)
HIST 128	History of California (3)
HIST 129	History of Los Angeles (3)
HIST 140	History of Early Civilizations (3)
HIST 141	History of Modern Civilizations (3)
HIST 145	History of World Religions (3)
HIST 152	History of Latin America Through Independence (3)
HIST 154	A History of Mexico (3)
HIST 175	History of Asian Civilizations to 1600 (3)
HIST 176	History of Asian Civilizations from

	1600 to the Present (3)
HIST 183	Introduction to African History, Prehistory to 1885 (3)
HIST 184	Introduction to African History, 1885 to the Present (3)
HUMA 101	An Introduction to the Humanities (3)
JAPA 101	Elementary Japanese I (4)
JAPA 102	Elementary Japanese II (4)
JOUR 101	News Writing and Reporting (3)
JOUR 112	Mass Media and Society (3)
PHIL 101	Introduction to Philosophy (3)
PHIL 103	Ethics and Society (3)
PHIL 105	Critical Thinking and Discourse (3)
PHIL 111	History of Ancient and Medieval Philosophy (3)
PHIL 112	History of Modern Philosophy (3)
PHIL 115	Existentialism (3)
POLI 107	Political Philosophy (3)
SLAN 111	American Sign Language I (4)
SLAN 112	American Sign Language II (4)
SLAN 113	American Sign Language III (4)
SLAN 130	Deaf Culture (3)
SPAN 101	Elementary Spanish I (4)
SPAN 102	Elementary Spanish II (4)
SPAN 103	Intermediate Spanish I (4)
SPAN 104	Intermediate Spanish II (4)
SPAN 105	Advanced Spanish I (3)
SPAN 106	Advanced Spanish II (3)
SPAN 152	Spanish for Native Speakers I (4)
SPAN 153	Spanish for Native Speakers II (4)

Total Units: 18

General Studies: Biological and Physical Sciences

These courses emphasize the physical universe, its life forms, and its natural phenomena. Courses in the sciences will help students develop an understanding of the scientific method and the relationship between science and other human activities. Students transferring to a four-year university will have a basic foundation for further studies in areas such as biology (biochemistry, biophysics, molecular and cell biology, marine biology, microbiology), chemistry, physical and earth sciences (astronomy, geology, physical geography, oceanography), or physics. This emphasis may be useful for students interested in possible career paths in life sciences, physiology, exercise science, physical sciences, or earth sciences. Select 18 units with at least one course in Biological Sciences and one course in Physical Sciences.

Program Requirements for AA Degree: Select 18 units with at least one course in Biological Sciences and one in Physical Sciences.

Biological Sciences:

ANAT 130	Essentials of Anatomy and Physiology (4)
ANAT 132	General Human Anatomy (4)
APHY 134	Anatomy and Physiology I (4)
APHY 135	Anatomy and Physiology II (4)
ANTH 101	Introduction to Physical Anthropology (3)
BIOL 100	Fundamentals of Biology (4)
	or
BIOL 100H	Honors Fundamentals of Biology (4)
BIOL 101	Principles of Biology I (5)
BIOL 102	Principles of Biology II (5)
BIOL 103	Fundamentals of Molecular Biology (3)
BIOL 115	Environmental Aspects of Biology (3)
BIOL 117	Marine Biology (3)
BIOL 118	Marine Biology Laboratory (1)
MICR 133	General Microbiology (5)
PHYO 131	Human Physiology (4)
PSYC 107	Physiological Psychology (3)

Physical Science:

ASTR 120	The Solar System (3)
	or
ASTR 120H	Honors The Solar System (3)
ASTR 125	Stars and Galaxies (3)
ASTR 128	Astronomy Laboratory (1)
CHEM 102	Fundamentals of Chemistry (5)
CHEM 104	Beginning Chemistry (5)
CHEM 150	General Chemistry I (5)
CHEM 152	General Chemistry II (5)
GEOG 101	Physical Geography (3)
GEOG 106	Physical Geography Laboratory (1)
GEOG 109	Weather and Climate (3)
GEOL 101	Physical Geology (3)
GEOL 102	History of Planet Earth (3)
GEOL 103	Physical Geology Laboratory (1)
GEOL 104	History of Planet Earth Laboratory (1)
GEOL 106	Earth Science in Education (4)
GEOL 115	Natural Disasters (3)
PHYS 111	Descriptive Introduction to Physics (3)
PHYS 112	Laboratory for Introductory Physics (1)
PHYS 120	General Physics (4)
PHYS 122	General Physics (4)
PHYS 150	Mechanics of Solids (4)
PHYS 152	Fluids, Heat and Sound (3)
PHYS 250	Electricity and Magnetism (4)
PHYS 252	Optics and Modern Physics (4)
PSCI 125	Exploring Physical Sciences (3)

Total Units: 18

General Studies: Culture and Communications

These courses will emphasize the study of communication, culture, and the skills needed to communicate effectively in oral, written, or visual forms. Students transferring to a four-year university will have a basic foundation for further studies in communication studies, media studies, journalism, English, or modern languages. This emphasis may be useful for students interested in possible career paths in broadcasting, public relations, advertising, journalism, interpreter, photography, technical writing, or radio and television.

Program Requirements for AA Degree: Select 18 units from at least two disciplines.

ANTH 104	Language and Culture (3)
COMS 100	Public Speaking (3)
COMS 120	Argumentation and Debate (3)
COMS 130	Interpersonal Communication (3)
COMS 140	Small Group Communication (3)
COMS 260	Introduction to Intercultural Communication (3)
COMS 270	Organizational Communication (3)
ENGL 102	Literature and Composition (3)
ENGL 102H	Honors Literature and Composition (3)
ENGL 103	Critical Thinking and Composition (3)
ENGL 103H	Honors Critical Thinking and Composition (3)
ENGL 120	Introduction to Fiction (3)
ENGL 123	Creative Writing: Introduction to Poetry (3)
ENGL 127	Creative Writing: Introduction to the Craft of Fiction (3)
ENGL 150	Survey of British Literature I (3)
ENGL 152	Survey of British Literature II (3)
ENGL 227	Children's Literature (3)
ENGL 228	Images of Women in Literature (3)
ENGL 235	Creative Writing: Screenwriting (3)
ENGL 238	Survey of Film: 1950 to the Present (3)
ENGL 239	Literature and Film (3)
ENGL 240	American Literature I (3)
ENGL 241	American Literature II (3)
ENGL 242	Chicano and Latinx Literature (3)
ENGL 243	African American Literature (3)
ENGL 244	The Literature of American Ethnic Groups (3)
FILM 122	Production I (3)
FILM 124	Production Planning (3)
FILM 128	Television Production (3)
FILM 232	Production II (3)
JAPA 101	Elementary Japanese I (4)
JAPA 102	Elementary Japanese II (4)
JOUR 101	News Writing and Reporting (3)
JOUR 112	Mass Media and Society (3)
LIBR 101	Introduction to Library Information Science (1)
LIBR 110	Library Research Using the Internet (1)
SLAN 111	American Sign Language I (4)
SLAN 112	American Sign Language II (4)

SLAN 113	American Sign Language III (4)
SLAN 130	Deaf Culture (3)
SPAN 101	Elementary Spanish I (4)
SPAN 102	Elementary Spanish II (4)
SPAN 103	Intermediate Spanish I (4)
SPAN 104	Intermediate Spanish II (4)
SPAN 105	Advanced Spanish I (3)
SPAN 106	Advanced Spanish II (3)
SPAN 152	Spanish for Native Speakers I (4)
SPAN 153	Spanish for Native Speakers II (4)

Total Units: 18

General Studies: Fine and Applied Arts

These courses will emphasize the nature of artistic activities and expression of art through analysis, examination, performance, and technical development. Students will incorporate techniques, engage in performance, and learn to value aesthetic understanding and integrate these concepts when constructing value judgments. Students transferring to a four-year university will have a basic foundation for further studies in areas such as architecture, art, digital media, creative writing, dance, film, music, performing arts, photography, studio art, or theatre arts. This emphasis may be useful for students interested in possible career paths in design, graphic arts, visual arts, photography, stage technician, musician, education, television, journalism, or acting. Select 18 units from at least two disciplines.

Program Requirements for AA Degree: Select 18 units from at least two disciplines.

ART 101	Art and Visual Culture : A Global Perspective (3)
ART 102	History of Western Art – Prehistoric to Gothic (3)
ART 103	History of Western Art – Proto-Renaissance to 19th Century (3)
ART 104	History of Western Art – 19th Century to Contemporary Times (3)
ART 110	Drawing Fundamentals I (3)
ART 130	Two-Dimensional Design I (3)
ART 141	Digital Art Fundamentals (3)
ART 160	Three-Dimensional Design (3)
ART 207	Art History of Mexico and Central and South America (3)
ART 209	History of African Art (3)
ART 210	Drawing Fundamentals II (3)
ART 219	Watercolor Painting I (3)
ART 222	Fundamentals of Painting I (3)
ART 223	Fundamentals of Painting II (3)
DANC 101	Dance Appreciation (3)
DANC 103	History of Dance in the 20th Century (3)
DANC 120A	Beginning Ballet A (2)
DANC 130A	Beginning Modern Dance A (2)
DANC 140	Jazz Dance I (2)
DANC 220A	Intermediate Ballet A (2)
DANC 230A	Intermediate Modern Dance A (2)

DANC 240	Jazz Dance II (2)
ENGL 123	Creative Writing: Introduction to Poetry (3)
ENGL 127	Creative Writing: Introduction to the Craft of Fiction (3)
ENGL 235	Creative Writing: Screenwriting (3)
FILM 110	Film Analysis and Appreciation (3)
FILM 113	Screenplay Analysis (3)
FILM 121	Audio Production (3)
FILM 122	Production I (3)
FILM 232	Production II (3)
MUSI 101	Music Fundamentals (3)
MUSI 102A	Beginning Sightsinging (2)
MUSI 102B	Advanced Sightsinging (2)
MUSI 103A	Theory and Musicianship I (4)
MUSI 103B	Theory and Musicianship II (4)
MUSI 111	Music Appreciation Survey (3)
MUSI 112	Music Cultures of the World (3)
MUSI 113	Survey of Jazz (3)
MUSI 116	History of Rock Music (3)
MUSI 120	Voice Class I (2)
MUSI 131A	Beginning Piano I (2)
MUSI 131B	Beginning Piano II (2)
MUSI 203	Theory and Musicianship III (4)
MUSI 215A	Music History and Literature up to 1750 (3)
MUSI 215B	Music History and Literature – 1750 to Present (3)
MUSI 220	Voice Class II (2)
MUSI 231A	Intermediate Piano I (2)
MUSI 231B	Intermediate Piano II (2)
THEA 103	Theatre Appreciation (3)
THEA 104	Dramatic Literature (3)
THEA 113	Introduction to Acting (3)
THEA 114	Fundamentals of Acting (3)
THEA 184	Stagecraft (3)
THEA 185	Introduction to Stage Lighting (3)
THEA 189	Costuming for the Stage (3)
THEA 217	Intermediate Acting (3)

Total Units: 18

General Studies: Kinesiology and Wellness

These courses emphasize lifelong understanding and the development of a student's physiological, psychological, and social well-being. Students transferring to a four-year university will have a basic foundation for further studies in areas such as physical education, recreation, nutrition, or allied health fields. This emphasis may be useful for students interested in possible career paths in athletic training, personal training, management, exercise science, sports nutrition, and education.

Program Requirements for the AA Degree

Select a total of 18 units from the following disciplines:

Physical Education: minimum 6 units	
PE 217	Sports Officiating (2)
PE 270	Fitness and Sports Nutrition (3)
PE 272	Care and Prevention of Athletic Injuries (3)
PE 275	Sport Psychology (3)
PE 277	Introduction to Kinesiology (3)
PE 280	Exercise and Nutrition Programs for Fitness and Weight Management (3)
PE 290	Personal Fitness Trainer (3)

Science and Nutrition: minimum 3 units

ANAT 130	Essentials of Anatomy and Physiology (4)
ANAT 132	General Human Anatomy (4)
APHY 134	Anatomy and Physiology I (4)
APHY 135	Anatomy and Physiology II (4)
BIOL 100	Fundamentals of Biology (4)
or	
BIOL 100H	Honors Fundamentals of Biology (4)
BIOL 101	Principles of Biology I (5)
BIOL 102	Principles of Biology II (5)
CHEM 102	Fundamentals of Chemistry (5)
CHEM 104	Beginning Chemistry (5)
CHEM 150	General Chemistry I (5)
MICR 133	General Microbiology (5)
NFOO 110	Nutrition (3)
PHYS 111	Descriptive Introduction to Physics (3)
PHYS 120	General Physics (4)
PHYS 122	General Physics (4)
PHYO 131	Human Physiology (4)

Social Sciences and Development:

minimum 3 units

CH 101	Personal and Community Health Issues (3)
HDEV 110	Strategies for Creating Success in College and in Life (3)
PSYC 101	General Psychology (3)
SOCI 101	Introduction to Sociology (3)

Elective Courses:

FAID 101	First Aid, Cardiopulmonary Resuscitation (CPR) and Basic Emergency Care (3)
NFOO 115	Nutrition for Infants and Young Children (3)
PSYC 102	Psychology for Effective Living (3)
PSYC 112	Human Sexuality (3)
PSYC 116	Lifespan Development (3)

Total Units: 18**General Studies: Social and Behavior Sciences**

These courses emphasize an appreciation and understanding of how members of diverse societies operate or have operated as individuals and social groups. Courses in the social and behavioral sciences will help students to develop an awareness of methods of inquiry and stimulate critical thinking about the ways in which people act and interact within social and cultural contexts. Students will study the perspectives, concepts, principles, theories, and methodologies of disciplines within social and behavioral sciences. Students transferring to a four-year university will have a basic foundation for further studies in areas such as American studies, anthropology, criminal justice, child development, economics, geography, history, political science, psychology, or sociology. This emphasis may be useful for students interested in possible career paths in education, history, social work, public administration, public service agencies, library science, economics, or social policy.

**Program Requirements for AA Degree:
Select 18 units from at least two disciplines.**

AJ 100	Introduction to Administration of Justice (3)
AJ 103	Concepts of Criminal Law I (3)
AJ 107	Crime and Control – An Introduction to Corrections (3)
AJ 111	Criminal Investigation (3)
AJ 115	Community and Human Relations (3)
ANTH 102	Introduction to Cultural Anthropology (3)
ANTH 103	Introduction to Archaeology (3)
ANTH 104	Language and Culture (3)
ANTH 106	Native Peoples of North America (3)
ANTH 107	Native Peoples of South America (3)
ANTH 108	Ancient Civilizations of Mesoamerica (3)
ANTH 109	Women, Culture, and Society (3)
ANTH 111	Anthropology of Religion, Magic and Witchcraft (3)
CDEV 103	Child Growth and Development (3)
CDEV 104	The Home, The School, The Community (3)
COMS 260	Introduction to Intercultural Communication (3)

ECON 101	Principles of Economics: Macroeconomics (3)
ECON 102	Principles of Economics: Microeconomics Theory (3)
ECON 105	Fundamentals of Economics (3)
EDUC 201	Foundations in Education (3)
ESTU 101	Introduction to Ethnic Studies (3)
ESTU 103	The Chicano in Contemporary United States Society (3)
ESTU 105	Chicano Culture (3)
GEOG 102	Cultural Geography (3)
GEOG 105	World Regional Geography (3)
GEOG 107	Geography of California (3)
HIST 101	United States History to 1877 (3)
HIST 102	United States History from 1877 to the Present (3)
HIST 105	Women and American History from the Colonial Era to 1877 (3)
HIST 106	Women and American History from 1877 to the Present (3)
HIST 108	United States History: The American Indian Experience (3)
HIST 110	The African American in the United States to 1877 (3)
HIST 111	The African American in the United States from 1877 to the Present (3)
HIST 112	History of the Chicano in the United States (3)
HIST 122	United States Social History: Cultural Pluralism in America (3)
HIST 128	History of California (3)
HIST 129	History of Los Angeles (3)
HIST 140	History of Early Civilizations (3)
HIST 141	History of Modern Civilizations (3)
HIST 145	History of World Religions (3)
HIST 152	History of Latin America Through Independence (3)
HIST 154	A History of Mexico (3)
HIST 175	History of Asian Civilizations to 1600 (3)
HIST 176	History of Asian Civilizations from 1600 to the Present (3)
HIST 183	Introduction to African History, Prehistory to 1885 (3)
HIST 184	Introduction to African History, 1885 to the Present (3)
JOUR 112	Mass Media and Society (3)
PE 275	Sport Psychology (3)
POLI 101	Governments of the United States and California (3)
POLI 102	Introduction to Comparative Politics (3)
POLI 103	Introduction to Principles and Methods of Political Science (3)
POLI 105	Ethnicity in the American Political Process (3)
POLI 106	Civil Rights and Liberties in the United States (3)
POLI 107	Political Philosophy (3)
POLI 110	Introduction to International Relations (3)
PSYC 101	General Psychology (3)

PSYC 102	Psychology for Effective Living (3)
PSYC 107	Physiological Psychology (3)
PSYC 108	Social Psychology (3)
PSYC 110	African American Psychology (3)
PSYC 112	Human Sexuality (3)
PSYC 115	Abnormal Psychology (3)
PSYC 116	Lifespan Development (3)
PSYC 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)
PSYC 122	Research Methods in the Behavioral Sciences (4)
SLAN 130	Deaf Culture (3)
SOCI 101	Introduction to Sociology (3)
SOCI 102	The Family (3)
SOCI 104	Social Problems (3)
SOCI 107	Issues of Race and Ethnicity in the United States (3)
SOCI 108	Global Perspectives on Race and Ethnicity (3)
SOCI 112	Introduction to Criminology (3)
SOCI 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)
WSTU 101	Introduction to Women's Studies (3)

Total Units: 18

HISTORY

The degree provides students with a foundation in the science of historical inquiry. After completing the program requirements, students will gain an understanding of the methodologies and schools of interpretation utilized by historians to study the past. Students will also demonstrate knowledge of the primary cultural, economic, intellectual, political, social, and diplomatic institutions of the United States and the world. Competencies will be assessed through the evaluation of student term papers and projects, essays, and regularly scheduled examinations. The major prepares students for transfer to a CSU and training in areas such as education, research, archival science, and government.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or

the California State University General Education – Breadth Requirements.

3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Develop and persuasively argue a historical thesis in a written assignment that identifies and explains major social, economic, political and/or cultural historical themes or patterns and applies appropriate historical methods to analyze and use primary and/or secondary sources as evidence to support the thesis.

Program Requirements for AA-T:

Required Core: 6 units

HIST 101	United States History to 1877 (3)
or	
HIST 102	United States History from 1877 to the Present (3)

List A: 6 units

HIST 140	History of Early Civilizations (3)
HIST 141	History of Modern Civilizations (3)

List B: Select one course from Area 1 and one course from Area 2.

Area 1: (3-5 units)

ART 207	Art History of Mexico and Central and South America (3)
ART 209	History of African Art (3)
ENGL 228	Images of Women in Literature (3)
ENGL 242	Chicano and Latinx Literature (3)
ENGL 243	African American Literature (3)
HIST 105	Women and American History from the Colonial Era to 1877 (3)
HIST 106	Women and American History from

HIST 110	1877 to the Present (3) The African American in the United States to 1877 (3)	GEOG 107	Geography of California (3)
HIST 111	The African American in the United States from 1877 to the Present (3)	JOUR 112	Mass Media and Society (3)
HIST 112	History of the Chicano in the United States (3)	POLI 101	Governments of the United States and California (3)
HIST 122	United States Social History: Cultural Pluralism in America (3)		or
HIST 122H	Honors United States Social History: Cultural Pluralism in America (3)	POLI 101H	Honors Governments of the United States and California (3)
HIST 145	History of World Religions (3)	POLI 102	Introduction to Comparative Politics (3)
HIST 152	History of Latin America Through Independence (3)	POLI 103	Introduction to Principles and Methods of Political Science (3)
HIST 154	A History of Mexico (3)	POLI 105	Ethnicity in the American Political Process (3)
HIST 175	History of Asian Civilizations to 1600 (3)	POLI 106	Civil Rights and Liberties in the United States (3)
HIST 176	History of Asian Civilizations from 1600 to the Present (3)	POLI 107	Political Philosophy (3)
JAPA 101	Elementary Japanese I (5)	POLI 110	Introduction to International Relations (3)
JAPA 102	Elementary Japanese II (5)	POLI 110H	Honors Introduction to International Relations (3)
SLAN 111	American Sign Language I (4)	PSYC 101	General Psychology (3)
SLAN 112	American Sign Language II (4)	PSYC 101H	Honors General Psychology (3)
SLAN 113	American Sign Language III (4)	PSYC 102	Psychology for Effective Living (3)
SLAN 130	Deaf Culture (3)	PSYC 110	African American Psychology (3)
SPAN 101	Elementary Spanish I (5)	PE 275	Sport Psychology (3)
SPAN 102	Elementary Spanish II (5)	SOCI 101	Introduction to Sociology (3)
SPAN 103	Intermediate Spanish I (5)	SOCI 101H	Honors Introduction to Sociology (3)
SPAN 104	Intermediate Spanish II (5)	SOCI 102	The Family (3)
SPAN 105	Advanced Spanish I (3)	SOCI 104	Social Problems (3)
SPAN 106	Advanced Spanish II (3)	SOCI 107	Issues of Race and Ethnicity in the United States (3)
SPAN 152	Spanish for Native Speakers I (5)	SOCI 108	Global Perspectives on Race and Ethnicity (3)
SPAN 153	Spanish for Native Speakers II (5)	SOCI 112	Introduction to Criminology (3)
		WSTU 101	Introduction to Women's Studies (3)

Total Units: 18-20

Area 2: (3 units)

ANTH 102	Introduction to Cultural Anthropology (3)
ANTH 103	Introduction to Archaeology (3)
ANTH 104	Language and Culture (3)
ANTH 106	Native Peoples of North America (3)
ANTH 107	Native Peoples of South America (3)
ANTH 108	Ancient Civilizations of Mesoamerica (3)
ANTH 109	Women, Culture, and Society (3)
ANTH 111	Anthropology of Religion, Magic and Witchcraft (3)
ANTH 112	Ancient Civilizations of the Old World (3)
COMS 260	Introduction to Intercultural Communication (3)
ECON 101	Principles of Economics: Macroeconomics (3)
ECON 101H	Honors Principles of Economics: Macroeconomics (3)
ECON 102	Principles of Economics: Microeconomics Theory (3)
ECON 105	Fundamentals of Economics (3)
ESTU 101	Introduction to Ethnic Studies (3)
GEOG 102	Cultural Geography (3)
GEOG 105	World Regional Geography (3)

LIBERAL STUDIES

Program Learning Outcomes: Upon successful completion of the degree program students will be able to:

- Integrate an understanding of the needs, characteristics, and multiple influences on the development of children ranging from birth to adolescence as related to high quality care and education.
- Design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all children.
- Apply effective observation, assessment, guidance, and interaction strategies that support all children's social and emotional development.

ELEMENTARY TEACHING

Teacher Preparation Option

This degree is designed for students who wish to earn a multiple-subject teaching credential authorizing them to teach in grades K-5. Students will study a broad range of subjects to prepare them for teaching, including English, mathematics, science, social science, visual and performing arts, and human development. Competencies will be assessed regularly through projects, examinations, laboratory experiments, and presentations. Program assessment will be conducted by tracking student placement in teacher preparation programs at the university level.

Program Requirements for AA Degree:

Required Core: 16 units

ENGL 101	Reading and Composition (4)
or	
ENGL 101H	Honors Reading and Composition (4)
COMS 100	Public Speaking (3)
or	
ENGL 103	Critical Thinking and Composition (3)
or	
ENGL 103H	Honors Critical Thinking and Composition (3)
HIST 101	United States History to 1877 (3)
or	
HIST 102	United States History from 1877 to the Present (3)
POLI 101	Governments of the United States and California (3)
GEOG 105	World Regional Geography (3)
or	
CDEV 103	Child Growth and Development (3)
or	
HIST 140	History of Early Civilizations (3)

3-4 units from:

BIOL 100	Fundamentals of Biology (4)
or	
BIOL 100H	Honors Fundamentals of Biology (4)
GEOL 106	Earth Science in Education (4)
PSCI 125	Exploring Physical Sciences (3)

3 units from:

ART 101	Art and Visual Culture : A Global Perspective (3)
DANC 101	Dance Appreciation (3)
ENGL 150	Survey of British Literature I (3)
ENGL 152	Survey of British Literature II (3)
ENGL 240	American Literature I (3)
ENGL 241	American Literature II (3)
ENGL 242	Chicano and Latinx Literature (3)
ENGL 243	African American Literature (3)
ENGL 244	The Literature of American Ethnic Groups (3)
MUSI 111	Music Appreciation Survey (3)
MUSI 112	Music Cultures of the World (3)

THEA 103 Theatre Appreciation (3)

3-5 units from:

MATH 73	Intermediate Algebra for General Education (5)
MATH 80	Intermediate Algebra for Science, Technology, Engineering, and Mathematics (5)
MATH 110	Structures and Concepts in Mathematics (3)
MATH 111	Mathematics for Elementary School Teachers – Geometry, Probability & Statistics (3)
MATH 115	Probability and Statistics for Prospective Elementary School Teachers (3)
MATH 120	Nature of Mathematics (3)
MATH 130	College Algebra (3)
MATH 150	Elementary Statistics with Probability (4)
MATH 170	Trigonometry (3)

Total Units: 25-28

Elementary Teacher Education

The program is designed for students who wish to earn a multiple-subject teaching credential authorizing them to teach in grades K-5. Students will study a broad range of subjects to prepare them for teaching, including English, mathematics, science, social science, visual and performing arts, and human development. Upon successful completion of the program, students will be prepared to transfer to a CSU and major in Liberal Studies. Competencies will be assessed regularly through projects, examinations, laboratory experiments, and presentations.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Requirements for AA-T:

Required Core: 42 units

BIOL 100	Fundamentals of Biology (4)
CDEV 103	Child Growth and Development (3)
COMS 100	Public Speaking (3)
EDUC 201	Foundations in Education (3)
ENGL 101	Reading and Composition (4)
ENGL 102	Literature and Composition (3)
GEOG 105	World Regional Geography (3)
GEOL 106	Earth Science in Education (4)
HIST 101	United States History to 1877 (3)
HIST 140	History of Early Civilizations (3)
MATH 110	Structures and Concepts in Mathematics (3)
POLI 101	Governments of the United States and California (3)
PSCI 125	Exploring Physical Sciences (3)

List A: 3 units

COMS 120	Argumentation and Debate (3)
ENGL 103	Critical Thinking and Composition (3)
PHIL 105	Critical Thinking and Discourse (3)

List B: 3 units

ART 101	Art and Visual Culture : A Global Perspective (3)
DANC 101	Dance Appreciation (3)
MUSI 111	Music Appreciation Survey (3)
THEA 103	Theatre Appreciation (3)

Total Units: 48

MACHINE TOOL TECHNOLOGY

The Machine Tool Technology program prepares students for employment in machine shops, tool rooms, and instrument and experimental laboratories and provides upgrade opportunities for employed industrial personnel. Students gain proficiency in the set-up and operation of drilling machines, lathes, mills, grinders, electrical discharge machines, Computer Numerical Control (CNC) lathes, CNC milling machines, and computer aided manufacturing systems. Competencies will be assessed regularly in accordance with skill standards established by the National Institute of Metalworking Skills (NIMS). At least 50 percent of the courses required for the major must be completed at Compton College.

Program Learning Outcomes: Upon successful completion of the degree or certificate program, students will be able to:

- Apply principles from mathematics, physics, and chemistry to solve applied problems in engineering.
- Identify different digital and analog sensor technologies.
- Follow and build robotic devices and components in accordance with industry standard schematics and diagrams.
- Solving Engineering Problems: students will apply principles from mathematics, physics, and chemistry to solve applied problems in engineering.
- Digital and Analog Sensor Technologies: Upon completion of the courses in this discipline, the student will be able to identify different digital and analog sensor technology.
- Industry Standards: Upon completion of the courses in this discipline, the student will be able to follow and build robotic devices and components in accordance with industry standard schematics and diagrams.

Machine Tool Technology: Machinist Program Requirements for AS Degree:

MTT 101	Introduction to Conventional and CNC Machining (4)
MTT 103	Conventional and CNC Turning (4)
MTT 105	Conventional and CNC Milling (4)
MTT 107	Advanced Manufacturing Processes (4)
MTT 110	Introduction to CAD/CAM (3)
MTT 120	Manufacturing Print Reading (3)
MTT 140	Machine Shop Calculations (3)
MTT 160	General Metals (3)

Total Units: 28

Machine Tool Technology: Numerical Control Programmer

Program Requirements for AS Degree:

MTT 101	Introduction to Conventional and CNC Machining (4)
MTT 103	Conventional and CNC Turning (4)
MTT 105	Conventional and CNC Milling (4)
MTT 110	Introduction to CAD/CAM (3)
MTT 112	Computer Numerical Control Programming (3)
MTT 115	Numerical Control Graphics Programming (3)
MTT 118	3D Numerical Control Graphics Programming (3)
MTT 120	Manufacturing Print Reading (3)
MTT 140	Machine Shop Calculations (3)
MTT 160	General Metals (3)

Total Units: 33

Recommended Electives:

MTT 95	Cooperative Work Experience Education (2-4)
MTT 99	Independent Study (1-3)
WELD 105	Basic Welding for Allied Fields (3)

CNC Machine Operator – Certificate of Achievement

Program Description: The CNC Machine Operator certificate of achievement aims to provide basic to advanced training in manual or conventional machining, computer numerical programming and operation, advanced multi-axis programming and operation. These form the fundamental skills necessary for the average and expected workload in the machining industry. Enrolled students are strongly positioned for employment in the machining industry throughout the course of the program.

Program Requirements:

MTT 101	Introduction to Conventional and CNC Machining (4)
MTT 103	Conventional and CNC Turning (4)
MTT 105	Conventional and CNC Milling (4)
MTT 107	Advanced Manufacturing Processes (4)

Total Units: 16

Machinist - Certificate of Achievement

Program Description: The Machinist certificate of achievement program aims to provide basic to advanced training in manual or conventional machining, computer numerical programming and operation, and advanced multi-axis programming and operation. These form the fundamental skills necessary for the average and expected workload in the machining industry. Enrolled students are strongly positioned for employment in the machining industry throughout the course of the program.

Program Requirements:

MTT 101	Introduction to Conventional and CNC Machining (4)
MTT 103	Conventional and CNC Turning (4)
MTT 105	Conventional and CNC Milling (4)
MTT 107	Advanced Manufacturing Processes (4)
MTT 110	Introduction to CAD/CAM (3)
MTT 120	Manufacturing Print Reading (3)
MTT 140	Machine Shop Calculations (3)
MTT 160	General Metals (3)

Total Units: 28

Numerical Control Programmer – Certificate of Achievement

Program Description: The Numerical Control Programmer certificate of achievement aims to provide basic to advanced training in manual or conventional machining, computer numerical programming and operation, advanced multi-axis programming and operation. These form the fundamental skills necessary for the average and expected workload in the machining industry. Enrolled students are strongly positioned for employment in the machining industry throughout the course of the program.

Program Requirements:

MTT 101	Introduction to Conventional and CNC Machining (4)
MTT 103	Conventional and CNC Turning (4)
MTT 105	Conventional and CNC Milling (4)
MTT 110	Introduction to CAD/CAM (3)
MTT 112	Computer Numerical Control Programming (3)
MTT 115	Numerical Control Graphics Programming (3)
MTT 118	3D Numerical Control Graphics Programming (3)
MTT 120	Manufacturing Print Reading (3)
MTT 140	Machine Shop Calculations (3)
MTT 160	General Metals (3)

Total Units: 33

MATHEMATICS

The mathematics program provides the student with sufficient depth to support a lifelong interest in mathematics, and is suitable for the student who plans to transfer in mathematics. The core of the major is the calculus sequence, in which the student will acquire a conceptual understanding of the principles of differential and integral calculus for functions of one and several variables, as well as the ability to apply calculus techniques in a variety of applications. One course in Differential Equations with Linear Algebra is required, as well as one additional course to provide the student with greater breadth in mathematics. Competency will be assessed by evaluating the student's ability to solve a wide range of calculus and other mathematical problems.

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 the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn an AS-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC).
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis. Students who have completed the AS-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AS-T.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Explain and demonstrate mathematical concepts relevant to the course content.
- Solve problems, including application problems, relevant to the course concepts and content.
- Create, interpret, and analyze graphs relevant to the course concepts and content.
- Analyze and construct proofs relevant to the course concepts and content.

Program Requirements for AS-T:

Required Core: 20 units

MATH 190	Single Variable Calculus and Analytic Geometry I (5)
MATH 191	Single Variable Calculus and Analytic Geometry II (5)
MATH 220	Multi-Variable Calculus (5)
MATH 270	Differential Equations with Linear Algebra (5)

List A: Select one course 4-5 units

MATH 150	Elementary Statistics w/ Probability (4)
MATH 150H	Honors Elementary Statistics with Probability (4)
MATH 210	Introduction to Discrete Structures (5)
PHYS 150	Mechanics of Solids (4)
PSYC 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)

Total Units: 24-25

MUSIC

The music program provides students with a comprehensive foundation in music theory, history, and performance. This is achieved through a structured program of training in a variety of solo performance media, ensembles, music theory, keyboard skills, music history, and music technology. The program prepares students for further study of music education, music business, audio for film/video production, songwriting, and music production. Students will demonstrate proficiency by analyzing, writing, interpreting, and performing pieces of music, and by demonstrating skills utilizing professional music software.

Program Learning Outcomes: Upon successful completion of the program, students will be able to:

- Forms of Movement: analyze and explain the form of a movement from a Classical Era piano composition by constructing a diagram of form and demonstrating an intermediate level of skill in harmonic analysis using Roman numerals.
- Analyzing Music: analyze music example recordings based on elements of music

including form, style, rhythm, harmony, melody, timbre, texture, and dynamics, with an intermediate level of proficiency.

- Performing: demonstrate intermediate mastery in their performance of two collegiate level pieces from contrasting styles, observing accurate pitches, rhythms, and interpretative markings.

Program Requirements for AA Degree:

Required Core: 20 units

MUSI 103A	Theory and Musicianship I (4)
MUSI 103B	Theory and Musicianship II (4)
MUSI 131A	Beginning Piano I (2)
MUSI 190A	Applied Music I (1)
MUSI 190B	Applied Music II (1)
MUSI 190C	Applied Music III (1)
MUSI 190D	Applied Music IV (1)
MUSI 215A	Music History and Literature up to 1750 (3)
MUSI 215B	Music History and Literature – 1750 to Present (3)

Note: Four semesters of Applied Music is required for music majors.

Each student is required to choose an area to fulfill 30 units of the degree.

Keyboard: select 10 units

MUSI 131B	Beginning Piano II (2)
MUSI 203	Theory and Musicianship III (4)
MUSI 231A	Intermediate Piano I (2)
MUSI 231B	Intermediate Piano II (2)
MUSI 232	Advanced Piano (2)

Instrumental Music: select 10 units

4 units from:

MUSI 203	Theory and Musicianship III (4)
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4 units from:

MUSI 260**	Woodwind Ensembles (1)
MUSI 261**	Brass Ensembles (1)
MUSI 262**	Percussion Ensembles (1)
MUSI 264	String Ensembles (1)
MUSI 269	Guitar Ensembles (1)

2 units from:

MUSI 102A	Beginning Sightsinging (2)
or	
MUSI 102B	Advanced Sightsinging (2)
MUSI 143	Beginning Woodwind Instruments (2)
MUSI 144	Beginning Brass Instruments (2)
MUSI 145	Beginning Percussion Instruments (2)
MUSI 146	Beginning String Instruments (2)
MUSI 147A	Beginning Guitar (2)
MUSI 147B	Beginning Guitar II (2)
MUSI 247	Intermediate Guitar (2)

Commercial Music: select 10 units

5 units from:

MUSI 105	Commercial/Jazz Theory and Musicianship (3)
MUSI 130	Beginning Jazz Improvisation (2)

2 units from:

MUSI 147A	Beginning Guitar (2)
MUSI 147B	Beginning Guitar II (2)
MUSI 247	Intermediate Guitar (2)

3 units from:

MUSI 113	Survey of Jazz (3)
MUSI 116	History of Rock Music (3)
General Music: select 10 units	

4 units from:

MUSI 120	Voice Class I (2)
MUSI 147A	Beginning Guitar (2)
MUSI 147B	Beginning Guitar II (2)

6 units from:

MUSI 102A	Beginning Sightsinging (2)
or	
MUSI 102B	Advanced Sightsinging (2)
MUSI 112	Music Cultures of the World (3)
MUSI 116	History of Rock Music (3)
MUSI 203	Theory and Musicianship III (4)

Total Units: 30

***One semester each of MUSI 260, MUSI 261, and MUSI 262 may be counted for credit toward the major.*

Commercial Music – Certificate of Achievement

The Commercial Music certificate of achievement is designed so that upon completion the student will be equipped with the necessary technical skills to be employed as a professional in the field of Commercial Music Technology, Film Scoring, Video Game/ Audio Development, Music Business Entrepreneurship, Audio Forensics, and other Digital and Multi- Media Entertainment and Serious industries, involving music, audio and/or video. The demand for certified music/audio technicians is extremely high for the California region due to the fast growing multi-billion dollar entertainment multi-media industry. This also includes such sectors as mobile phone entertainment, motion pictures animation (Foley) and video games to name a few. A Certificate of Achievement will be granted upon completion of all program requirements. Music 182, Music 284 and Music 285 must be completed at Compton College.

Program Learning Outcomes: Upon successful completion of the program, students will be able to:

- Examine and explain the entrepreneurial Challenges in entering the field of Commercial Music /Technology, Audio Sciences, and Multimedia Entertainment, in the following areas:
 - A. Music Business/Publishing
 - B. Music Production/ Composition
 - C. Audio Technology/ Sound Design
- Analyze music example recordings based on elements of music including Lyrics, Form, Style, Rhythm, Harmony, Melody, Timbre, Texture, and Dynamics, with an intermediate level of proficiency.
- Recognize the underlying Acoustic (Physics of sound) and Sound Wave Characteristics and concepts in a given context (Analog, Digital Recording) and apply them accordingly using the computer, microphones, and other hardware/software's, as the means for creating final Mixing, Mastering and Post Production.

Program Requirements:

MUSI 101	Music Fundamentals (3)
MUSI 180	Fundamentals of Electronic Music (2)
MUSI 181A	Introduction to Electronic Music Studio (2)
MUSI 181B	Electronic Music Studio (2)
MUSI 182	Digital Audio Recording for Commercial Music (3)
MUSI 183	Keyboarding for Commercial Music (2)
MUSI 284	Commercial Music Business Studies (3)
MUSI 285	Songwriting for Commercial Music (3)

Total Units: 20

NURSING

A.S. Degree Registered Nursing

The degree provides the student with the skills to utilize the nursing process and assess unique patient needs across the lifespan using a concept-based approach to learning. Degree competence will be assessed regularly by evaluation of expected learning outcomes in the clinical setting as well as course examinations. Emphasis is placed on the use of critical thinking and creative problem-solving in the clinical setting. The nursing major prepares graduates in a variety of health care settings as entry-level registered nurses. Upon successful completion of the nursing program, the graduate is eligible to the NCLEX-RN® (National Council Licensure Examination for Registered Nurses). Program assessment is conducted by monitoring student success rates on the NCLEX_RN® exam.

Board of Registered Nursing (BRN)

Requirements: The BRN has approved a set curriculum at Compton which includes, in addition to nursing courses, sociology, psychology and a course in communication and analytical thinking. Please see document entitled: Sample Curriculum for Associate Degree Nursing Program. These additional courses are not required for entry into the nursing program but must be completed prior to graduation. Students are strongly encouraged to complete these classes prior to entry into the nursing program.

Nursing Philosophy: The Associate Degree Nursing Program supports the mission of Compton College. The program offers quality, comprehensive educational opportunities and services to its diverse community, specifically those individuals aspiring to obtain the knowledge, skills, and attitudes required of a Registered Nurse.

Program Length and Licensing Requirements:

The program is two academic years in length after completion of program prerequisites. Acceptance of qualified applicants to the program does not guarantee graduation from the program/college. Students must achieve a statistically determined passing score on the comprehensive predictor examination upon completion of the program prior to taking the NCLEX-RN®. Graduates must pass the NCLEX-RN® in order to become licensed and practice registered nursing in the state of California.

Credit for Military Service: The Nursing Program will comply with the requirements of California Senate Bill 466. Procedures for the military challenge for advanced placement into the Nursing Program is published on the Nursing Program webpage.

Nursing Degree Options:

Generic – Students who are not licensed as vocational nurses/psychiatric technicians and are not transferring from another accredited nursing program are considered generic students.

Advanced Standing/Upward Mobility –

Prospective students who have had prior education in nursing or other health-related areas may request consideration for entry into the nursing program with advanced placement. Applicants would include Licensed Vocational/ Practical Nurses, Licensed Psychiatric Technicians, and transfer students from accredited nursing programs. Advanced standing applicants are admitted to the program on a space available basis. Upon request, transfer students' transcripts will be

individually evaluated for granting credit. Transfer students may be offered advanced standing. Licensed vocational nurses may enter the upward mobility option or 30-unit option.

Program Prerequisites for the Associate Degree Nursing Program (All Students)

Science Courses:

Complete the following courses with a minimum 2.5 GPA. All science courses must have been completed within seven years prior to the date of nursing program application.

1. Anatomy 132 and Physiology 131; or Anatomy and Physiology 134 and 135
2. Microbiology 133
3. Medical Terminology 101
4. Psychology 116

Non-Science Courses:

1. English 101 (not included in the required basic science 2.5 minimum GPA)
2. Mathematics 73 (or pass the Math Competency Exam)

Additional Prerequisites for Generic option:

1. Cumulative GPA of 2.5 in all college courses.
2. Complete the Readiness Assessment Test – ATI Test of Essential Academic Skills (ATI TEAS) with the state recommended passing score. If a prospective student receives a score below the state recommended score, the student will be required to complete remediation and then retake the ATI TEAS. Students will only have two opportunities to take and successfully pass the TEAS exam. Students who take the TEAS at Compton and complete the required remediation are required to retest at Compton.
3. Nursing 143, Nursing 144 and Nursing 146

All general education courses and nursing courses must be completed with a minimum grade of C. Please contact a nursing counselor to determine course equivalencies.

Additional Prerequisites for Upward Mobility Students (LVN to RN Option):

1. Possession of a current California Vocational Nurse/Practical Nurse license and employment as a LVN/LPN in a sub-acute or acute care setting within the last 3 years.
2. Complete the Readiness Assessment Test – ATI Test of Essential Academic Skills (ATI TEAS) with the state recommended passing score. If a prospective student

receives a score below the state recommended score, the student will be required to complete remediation and then retake the ATI TEAS. Students will only have two opportunities to take and successfully pass the TEAS exam. Students who take the TEAS at Compton and complete the required remediation are required to retest at Compton.

3. Documentation demonstrating completion of a LVN program.
4. Nursing 144 and Nursing 146

Application Filing Period: The Compton College Nursing Program accepts applications twice a year beginning the third week of the fall and spring semester. Each application period will last for three weeks.

The state of California requires all Registered Nurses (RNs) to have a valid Social Security or Tax Identification Number. Students seeking admission into the nursing program must provide proof of a valid social security or tax identification number to the nursing counselor prior to receiving a verification of eligibility documentation for admission consideration into the nursing program.

Application Review

Generic Students – All complete applications will be reviewed and ranked according to Criteria 1-3 of the Multicriteria Enrollment Criteria. Students at the top of the ranking who have taken the Assessment Technology Inc. (ATI) TEAS, will be invited to take the test. Following completion of the ATI TEAS, student points will be recalculated including all five criteria. Selected students will be notified by Compton email that they have been conditionally accepted into the nursing program. Upon receipt of an offer, applicants should accept or decline the offer and complete any further conditions of enrollment as stated in the email. Acceptance or refusal of the offer must be received in writing in the nursing office by the date specified in the email. Failure to reply by the specified date will result in the removal of the applicant's name from the applicant pool. Upon receipt of the applicant's signed acceptance and attendance at a mandatory orientation, the offeree confers from conditional place to a confirmed place. Any applicant who accepts a place and attends an orientation but does not attend the first day of class will be dropped from the program and will not be eligible to reapply. Students who are not admitted to the program may reapply during the next application period. For more information, visit our website at www.compton.edu/academics/div1/nursing.

Upward Mobility – All completed applications will be reviewed and ranked according to the cumulative GPA. Students at the top of the ranking who have taken the ATI TEAS, will be invited to take the test. Following completion of the ATI TEAS, student will be re-ranked according to the score achieved. Selected students will be notified by Compton email that they have been conditionally accepted into the nursing program. Upon receipt of a conditional offer, applicants should print out the attached documents and choose one of the following options: 1) accept the offer or 2) decline the offer. Acceptance or refusal of the conditional offer must be received in writing in the nursing office by the date specified in the email. Failure to reply by the specified date will result in the removal of the applicant's name from the applicant pool. Upon receipt of the applicant's signed acceptance and attendance at a mandatory orientation, the offeree confers from conditional place to a confirmed place. Any applicant who accepts a place and attends an orientation but does not attend the first day of class will be dropped from the program and will not be eligible to reapply.

Transfer Students –The Associate Dean of Nursing or designee will evaluate credit for nursing courses completed at another college on an individual basis. Credit can be achieved through the petition process as well. Students interested in applying for admission consideration to the Compton College associate degree nursing program as a transfer student will not be accepted beyond the second semester.

30 Unit Non-Degree Track

The Licensed Vocational Nurse may establish eligibility to take the state licensing examination to become a Registered Nurse in California only by completing a sequence of courses. The Associate Degree is not awarded upon completion of this program and the nurse will always be considered a non-graduate. Applicants are admitted as space is available. For more information, please contact the nursing department.

Waitlist: There will be no waitlist. Students who are not admitted to the program may reapply during the next application period. Students who are not offered admission are encouraged to meet with a nursing counselor.

Program Costs

Nursing Program: In addition to registration fees, the costs for books, shoes, physical exam, CPR certification, name badges, patches, uniforms, stethoscope, and additional skills lab supplies are approximately \$3500 for the first year.

Compton College Associate in Science Degree:

In addition to the nursing department and BRN course requirements, students must meet the Compton College A.S. degree general education requirements outlined in the college catalog. Please consult with a nursing counselor if you have questions.

The Associate Degree Nursing Program is a demanding rigorous program that requires advanced academic preparation, personal commitment, and a considerable amount of time in study and preparation outside of class. Mandatory general information sessions are available each semester to assist prospective applicants so they may learn more about careers in nursing, the Compton College nursing program and its requirements, and how to formulate an educational plan to become a qualified applicant. Nursing courses must be taken in sequence. Clinical facilities require background checks, which require a valid social security number.

Required Program GPA: Nursing students must maintain a minimum overall GPA of 2.0 to continue in the nursing program, graduate and receive an Associate in Science degree.

After a student is admitted into the nursing program, a full-time load is considered 10 units per semester. Students are expected to complete their nursing courses at Compton College. Credit may be granted for course work completed at an accredited nursing program.

Program Readmission and Course Repetition:

Students who leave the nursing program are eligible to be readmitted to the program subject to space availability. Students will only be eligible to repeat one single nursing course, in which a D or F grade was achieved. Policies related to progression and re-entry to the nursing program are available for review in the Nursing Office and are published in the Nursing Student Handbook. Student academic standing at the time of leaving the program will determine whether academic support courses will be prescribed for completion before re-entry to the nursing program. Students not eligible to re-enter the program may individually appeal their re-entry status through the Acceptance, Transfer and Progression Committee.

Re-Entry Policy:

Students must apply for re-admission into the nursing program within one (1) year of the exit date. The student who is absent from the program in excess of one year will be considered "inactive"

and placed on "inactive status" in the nursing program. Students who have exited from the nursing program for more than 2 years will be required to repeat a previous course in which a "C" or better grade was earned. The Associate Dean of Nursing or designee will be responsible for determining whether the student will be required to repeat a nursing course.

California State Licensure:

Special Note Regarding Licensure: All graduates of the Nursing Program are eligible to take the National Licensing Examination (NCLEX-RN®) and must pass the exam to practice in California. The NCLEX-RN® is developed by the National Council of state Boards of Nursing and is administered by computer nationally throughout the year. The California Board of Registered Nursing (BRN) requires that all students applying for the NCLEX be fingerprinted and submit a fingerprint card with the licensing examination application. The BRN protects the public by screening applicants for licensure in order to identify potentially unsafe practitioners. The BRN may deny applications for permanent licensure, interim permits and temporary licenses if the applicant has been found guilty of dishonesty; fraud or deceit; felony; child abuse; sex offender crimes; acts involving narcotics, dangerous drugs or devices; assault and/or battery; and other crimes. Applicants who have questions regarding limitations related to licensure should contact the California Board of Registered Nursing (916) 322-3350 or access its website at www.brn.ca.gov. It is the responsibility of the applicant to present sufficient evidence of rehabilitation. Applicants are advised to explore other career opportunities prior to investing substantial time in a nursing program if it appears that a prior serious act or conviction may jeopardize licensure.

Bachelor of Science in Nursing: Students intending to pursue a Bachelor of Science degree in Nursing should consult a nursing counselor.

Program Learning Outcomes: Upon successful completion of the degree programs, students will be able to:

- Adhere to standards of professional practice, is accountable for his/her actions and behaviors, and practice nursing within legal, ethical, and regulatory frameworks.
- Communicate effectively, accurately, and in a timely manner with patients, significant others, and members of the health care team.
- Utilize the nursing process to provide patient centered nursing care, integrating evidence-based practice to address the unmet basic needs for a diverse population of patients in a variety of

health care settings.

- Implement health education to promote and facilitate informed decision making, achieve positive outcomes, and support self-care activities.
- Utilize teamwork and collaboration while providing quality care to individuals and families.
- Manage care of the patient by demonstrating effective use of human, physical, financial, and technological resources.
- Demonstrate the ability to recognize potential threats to patient safety from both system ineffectiveness and individual performance and appropriately intervene.

Program Requirements for Nursing AS Degree:

NURS 220	Nursing Fundamentals (3.5)
NURS 222	Medical Surgical Nursing – Older Adult (4)
NURS 224	Nursing Pharmacology (3)
NURS 226	Nursing Skills Practicum I (.5)
NURS 230	Mental Health Nursing (3.5)
NURS 232	Obstetrical Patients and the Newborn (2.5)
NURS 234	Pediatric Nursing (2.5)
NURS 238	Nursing Skills Practicum II (.5)
NURS 240	Intermediate Medical-Surgical Nursing I (4)
NURS 242	Intermediate Medical-Surgical Nursing II (4.5)
NURS 244	Nursing Skills Practicum III (.5)
NURS 247	Advanced Medical-Surgical Nursing I (5)
NURS 248	Advanced Medical-Surgical Nursing II Preceptorship (2)
ENGL 102*	Literature and Composition (3)
	or
ENGL 102H*	Honors Literature and Composition (3)
PSYC 101	General Psychology (3)
	or
PSYC 101H	Honors General Psychology (3)
SOCI 101	Introduction to Sociology (3)

Total Units: 45

**Note: any 3 unit course from English 103, 103H; or Communication Studies 100, 120, 130, 140; or any Humanities course may be substituted for English 102 or 102H.*

Program Requirements for Nursing Upward Mobility Option AS Degree:

NURS 149	Advanced Placement in Nursing (2.5)
NURS 230	Mental Health Nursing (3.5)
NURS 232	Obstetrical Patients and the Newborn (2.5)
NURS 234	Pediatric Nursing (2.5)
NURS 238	Nursing Skills Practicum II (.5)
NURS 242	Intermediate Medical-Surgical Nursing II (4.5)
NURS 244	Nursing Skills Practicum III (.5)
NURS 247	Advanced Medical-Surgical Nursing I (5)
NURS 248	Advanced Medical-Surgical Nursing II Preceptorship (2)

ENGL 102* Literature and Composition (3)
or
ENGL 102H* Honors Literature and Composition (3)
PSYC 101 General Psychology (3)
or
PSYC 101H Honors General Psychology (3)
SOCI 101 Introduction to Sociology (3)

Total Units: 33

**Note: any 3 unit course from English 103, 103H, or Communication Studies 100, 120, 130, 140; or any Humanities course may be substituted for English 102 or 102H.*

PHYSICAL EDUCATION

Kinesiology

The kinesiology program provides a foundation for the study of diverse dimensions of exercise science, sport, and movement studies. Upon completion of the program, students will be prepared to transfer and major in kinesiology. Students will have knowledge and skills for advancement into a number of kinesiology fields, such as adapted physical education, athletic training, coaching, exercise science, fitness specialist, kinesiotherapy, and teaching. Competency will be assessed by a student's ability to solve problems in exercise science, exercise program design and to demonstrate and/or evaluate movement skills, tactics, and strategies in various physical activities.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis. Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements

at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Demonstrate an understanding and appreciation of physical activities and their relationship to wellness and fitness.

Upon successful completion of the degree or certificate program:

- Students will be able to evaluate and assess the performance and skills appropriate to their position in relation to their athletic program
- Students will be able to apply the knowledge and skills in the field of kinesiology to think critically in examining issues and solving problems associated with their chosen sub discipline
- Student-athletes will be able to demonstrate and implement a thorough understanding of campus, state and national intercollegiate athletic values and decorum standards.
- Student-athletes will be able to demonstrate campus academic achievement through application of sound practices and guidance.

Program Requirements for AA-T:

Required Core: 14 units

PE 277 Introduction to Kinesiology (3)

Select Option 1 or Option 2 Required

Option 1

ANAT 132 General Human Anatomy (4)

PHYO 131 Human Physiology (4)

or

Option 2

APHY 134 Anatomy and Physiology I (4)

APHY 135 Anatomy and Physiology II (4)

Movement-Based Courses Required (3 units minimum)

Select one course maximum from three of the following areas:

Area 1 Combative:

PE 118 Beginning Boxing (3)

Area 2 Dance:

DANC 110 Beginning Dance (2)

DANC 120A Beginning Ballet A (2)

DANC 120B Beginning Ballet B (2)

DANC 130A	Beginning Modern Dance A (2)
DANC 130B	Beginning Modern Dance B (2)
DANC 140	Jazz Dance I (2)
DANC 161	Tap Dance I (1)
DANC 162	Hip Hop Dance - Beginning (2)
DANC 165	African Dance (1)
DANC 168	Latin Social Dance (2)
DANC 220A	Intermediate Ballet A (2)
DANC 220B	Intermediate Ballet B (2)
DANC 230A	Intermediate Modern Dance A (2)
DANC 230B	Intermediate Modern Dance B (2)
DANC 240	Jazz Dance II (2)
DANC 250	Pilates Mat Class (3)
DANC 262	Commercial Dance (2)

Area 3 Fitness:

PE 102	Walking for Fitness (1)
PE 103	Boot Camp Fitness Training (1)
PE 110	Body Conditioning and Physical Fitness (1)
PE 125	Weight Training (1)
PE 127	Yoga for Health and Fitness (1)
PE 128	Power Vinyasa Yoga (1)
PE 138	Circuit Training (1)

Area 4 Team Sports:

PE 104	Basketball (1)
PE 113	Volleyball (1)
PE 130	Beginning Soccer (1)

List A: Select 7-9 units of electives below:

BIOL 100	Fundamentals of Biology (4)
CHEM 150	General Chemistry I (5)
FAID 101	First Aid, Cardiopulmonary Resuscitation (CPR) and Basic Emergency Care (3)
PHYS 120	General Physics (4)
MATH 150	Elementary Statistics with Probability (4)
or	
MATH 150H	Honors Elementary Statistics with Probability (4)
or	
PSYC 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)
or	
SOCI 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)

Total Units: 21-25**CERTIFICATES OF ACCOMPLISHMENT**

Certificate of Accomplishment is awarded to students who complete the prescribed program with a 2.0 GPA or above.

Fitness Trainer**Program Requirements:**

FAID 101	First Aid, Cardiopulmonary Resuscitation (CPR) and Basic Emergency Care (3)
PE 110	Body Conditioning and Physical Fitness (1)
PE 277	Introduction to Kinesiology (3)
PE 280	Exercise and Nutrition Programs for Fitness and Weight Management (3)
PE 290	Personal Fitness Trainer (3)

Total Units: 13**PHYSICAL SCIENCE**

The physical science program provides students the opportunity to investigate diverse methods of inquiry by experiencing courses from a cross section of science disciplines. Students will develop critical thinking skills, learn to communicate effectively in writing, and acquire an understanding of major scientific concepts. Through course options, students will use mathematical concepts to solve problems and employ methods of scientific inquiry to understand the world around them. Completion of the degree requirements will prepare students with the skills and resources needed to facilitate academic and career decisions. Competencies will be assessed through regularly scheduled theory and laboratory examinations.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Trace the development of a scientific ideas from gathering of data through development of a hypothesis to testing a prediction.
- Problems students will make scientific measurements and demonstrate the difference between disagreement and error.
- Read a simple graph or diagram and interpret the results appropriately.

Program Requirements for AS Degree: Required Core: 8-10 units

Complete one of the following two-semester sequences.

CHEM 150/152	General Chemistry I/II (10)
or	
PHYS 120/122	General Physics (8)
or	
PHYS 150/152	Mechanics of Solids Fluids, Heat and Sound (8)

or
 PHYS 150/250 Mechanics of Solids
 Electricity and Magnetism (8)

10-12 units from:

ASTR 120 The Solar System (3)

or
 ASTR 120H Honors The Solar System (3)
 ASTR 125 Stars and Galaxies (3)

or
 ASTR 125H Honors Stars and Galaxies (3)
 ASTR 128 Astronomy Laboratory (1)
 CHEM 104 Beginning Chemistry (5)

or
 CHEM 104H Honors Beginning Chemistry (5)
 GEOG 101 Physical Geography (3)
 GEOL 101 Physical Geology (3)
 GEOL 102 History of Planet Earth (3)
 GEOL 103 Physical Geology Laboratory (1)
 GEOL 104 History of Planet Earth Laboratory (1)
 GEOL 115 Natural Disasters (3)
 MATH 150 Elementary Statistics with
 Probability (4)

or
 MATH 150H Honors Elementary Statistics
 with Probability (4)

MATH 180 Pre-Calculus (5)
 MATH 190 Single Variable Calculus and
 Analytic Geometry I (5)

MATH 191 Single Variable Calculus and
 Analytic Geometry II (5)

MATH 220 Multi-Variable Calculus (5)
 MATH 270 Differential Equations with
 Linear Algebra (5)
 PHYS 250 Electricity and Magnetism (4)
 PHYS 252 Optics and Modern Physics (4)

Total Units: 20

PHYSICS

The physics program provides students with the ability to use and develop problem solving strategies that apply to physical concepts involving mechanics, thermodynamics, sound, light, electricity and magnetism, and modern physics. Laboratory activities establish a foundation in measurement and analysis techniques necessary to test, understand, and apply physical concepts. Upon completion of the program requirements, students will be prepared to transfer and major in physics. Competency will be assessed by evaluating the student's ability to quantitatively and qualitatively determine the results of physical situations. 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 the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn an AS-T degree, students must complete:

1. Completion of 60 semester units that are eligible for transfer to the California State University.
2. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum grade-point average of 2.0.
5. A grade of "C" or better in all courses required for the major or area of emphasis.

Students who have completed the AS-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AS-T.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Trace the development of a scientific idea from gathering of data through development of a hypothesis to testing a prediction.
- Make scientific measurements and demonstrate the difference between disagreement and error.
- Read a simple graph or diagram and interpret the results appropriately.

Program requirements for AS-T:

PHYS 150 Mechanics of Solids (4)
 PHYS 250 Electricity and Magnetism (4)
 and
 PHYS 252 Optics and Modern Physics (4)
 MATH 190 Single Variable Calculus and
 Analytic Geometry I (5)
 MATH 191 Single Variable Calculus and
 Analytic Geometry II (5)
 MATH 220 Multi-Variable Calculus (5)

Total Units: 27

POLITICAL SCIENCE

This degree provides students with an introduction to political science. Students will acquire knowledge of fundamental political theory, intergovernmental relations, international law, and the principal functions of the government of the United States as well as differing political systems. Upon successful program completion, students will be able to identify, explain and critically analyze different theories and political themes underlying contemporary issues and policymaking. The degree prepares students for transfer to a CSU and a political science major. Students will continue studies in government, politics and law. Competencies will be assessed regularly through examinations, essays, projects, and reports.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Contemporary Issues: identify and explain major

economic, political, social, cultural, and historical themes underlying contemporary issues in the policymaking process

- Primary and Secondary Sources: critically analyze different theories pertaining to the discipline using primary and/or secondary sources in support of their arguments.
- Political Issues and Policy Making: identify and distinguish various academic and journalistic sources and explain what these reveal about contemporary political issues and policy making.

Program Requirements for AA-T:

Required Core: 3 units

POLI 101 Governments of the United States and California (3)

or

POLI 101H Honors Governments of the United States and California (3)

List A: 9-10 units

POLI 102 Introduction to Comparative Politics (3)

POLI 103 Introduction to Principles and Methods of Political Science (3)

POLI 107 Political Philosophy (3)

POLI 110 Introduction to International Relations (3)

MATH 150 Elementary Statistics with Probability (4)

or

MATH 150H Honors Elementary Statistics with Probability (4)

or

PSYC 120 Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)

or

SOCI 120 Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)

List B: 6 units

Any course from List A not already completed

ANTH 102 Introduction to Cultural Anthropology (3)

ECON 101 Principles of Economics: Macroeconomics (3)

ECON 102 Principles of Economics: Microeconomics Theory (3)

ESTU 101 Introduction to Ethnic Studies (3)

HIST 101 United States History to 1877 (3)

HIST 102 United States History from 1877 to the Present (3)

POLI 102 Introduction to Comparative Politics (3)

POLI 103 Introduction to Principles and Methods of Political Science (3)

POLI 105 Ethnicity in the American Political Process (3)

POLI 106	Civil Rights and Liberties in the United States (3)
POLI 107	Political Philosophy (3)
POLI 110	Introduction to International Relations (3)
PSYC 101	General Psychology (3)
SOCI 101	Introduction to Sociology (3)
WSTU 101	Introduction to Women's Studies (3)
Total Units: 18-19	

PSYCHOLOGY

The psychology program is designed to provide students with a foundation in the science of psychology. Psychology majors will acquire the ability to survey theories critically, research the major areas of psychology, use descriptive and inferential statistics, design and conduct research, and write reports using analysis, argumentation, and proper psychological style. **This major prepares students for career opportunities in fields such as teaching, research, and/or clinical practice. Competencies will be assessed regularly by evaluating student performance on exams, essays, and reports.**

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a

Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Logic of the Scientific Method: Students will be able to identify elements of the scientific method and critique their application to the explanation, prediction, and control of mental processes and behavior.
- Fundamental Principles: differentiate and compare fundamental principles of psychology.
- Everyday Application: Apply fundamental principles of psychology in their efforts to evaluate everyday life experiences.

Program Requirements for AA-T:

Required Core: 11 units

PSYC 101	General Psychology (3)
or	
PSYC 101H	Honors General Psychology (3)
PSYC 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)
or	
MATH 150	Elementary Statistics with Probability (4)
or	
MATH 150H	Honors Elementary Statistics with Probability (4)
or	
SOCI 120	Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)
and	
PSYC 122	Research Methods in the Behavioral Sciences (4)

List A: 3-4 units

BIOL 100	Fundamentals of Biology (4)
or	
BIOL 100H	Honors Fundamentals of Biology (4)
PSYC 107	Physiological Psychology (3)

List B: 6-7 units

Any list A course not already completed

PSYC 102	Psychology for Effective Living (3)
PSYC 108	Social Psychology (3)
PSYC 110	African American Psychology (3)
PSYC 112	Human Sexuality (3)
PSYC 115	Abnormal Psychology (3)
PSYC 116	Lifespan Development (3)
PE 275	Sport Psychology (3)

Total Units: 20-21

SOCIOLOGY

The sociology degree provides students with a foundation in the science of sociology. Upon successful completion of the program requirements, the student will acquire an understanding of major sociological concepts and theoretical perspectives on social problems and social life as they apply to the individual, group, and society. Students will also understand the principles of research methods and data analysis. The major prepares students for transfer to four-year colleges and universities as part of preparation for careers in sociology or related fields such as teaching, research, social work, public relations, and counseling. Students will demonstrate their proficiency in sociological competencies through examinations and writing assignments on the major sociological theories, topics of sociological study, and research techniques.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis. Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes:

Upon successful completion of the degree program, students will be able to:

- Demonstrate an understanding of the purpose of theoretical perspectives and apply sociological perspectives such as functionalism, conflict theory, and interactionism to social scenarios.
- Define and demonstrate an understanding of sociological concepts, such as social structure, culture, socialization, deviance, and social stratification by applying them to social scenarios.

Program Requirements for AA-T:

Required Core: 10 units

SOCI 101 Introduction to Sociology (3)

or

SOCI 101H Honors Introduction to Sociology (3)

SOCI 104 Social Problems (3)

MATH 150 Elementary Statistics with Probability (4)

or

PSYC 120 Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)

or

SOCI 120 Introduction to Statistics and Data Analysis for the Behavioral Sciences (4)

List A: 6 units

SOCI 102 The Family (3)

SOCI 107 Issues of Race and Ethnicity in the United States (3)

SOCI 112 Introduction to Criminology (3)

PSYC 108 Social Psychology (3)

List B: 3 units

ANTH 102 Introduction to Cultural Anthropology (3)

PSYC 112 Human Sexuality (3)

PSYC 116 Lifespan Development (3)

SOCI 108 Global Perspectives on Race and Ethnicity (3)

SOCI 110 Introduction to Social Work (3)

SOCI 115 Sociology of Death and Dying (3)

WSTU 101 Introduction to Women's Studies (3)

Total Units: 19

SPANISH

The Spanish degree provides the student with proficiency in speaking, reading, writing, and understanding Spanish and will gain knowledge of Spanish and Spanish-American culture. The student will be able to communicate in Spanish, write formal compositions, and read the texts of Spanish and Spanish American authors, all at the Intermediate- Mid level of competency. Competencies will be assessed throughout the language sequence with written and oral exams. This major provides opportunities for continued advanced learning of Spanish and prepares students to transfer and major in Spanish.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes:

Upon successful completion of the degree program, students will be able to:

- Communicate using culturally appropriate skills (conversation, reading, writing) in interpersonal, interpretative, and presentational settings.
- Demonstrate competence in an ever-increasing complexity of social, cultural and academic topics that will facilitate entry into upper division university programs.
- Real world communication skills combined with culturally appropriate use of lexicon and syntax necessary for employment where bilingual and multicultural abilities are beneficial.

Program Requirements for AA-T:

Required Core: 20units from:

SPAN 101 Elementary Spanish I (5)

SPAN 102 Elementary Spanish II (5)

SPAN 103 Intermediate Spanish I (5)

or

SPAN 152 Spanish for Native Speakers I (5)

SPAN 104 Intermediate Spanish II (5)

or

SPAN 153 Spanish for Native Speakers II (5)

3-5 units from:

SPAN 105 Advanced Spanish I (3)

SPAN 106 Advanced Spanish II (3)

SPAN 121 Beginning Conversational Spanish (2)

SPAN 122 Intermediate Conversational Spanish (2)

Total Units: 23-25

Transfer Studies – Certificate of Achievement

The Transfer Studies Certificate of Achievement provides students with the opportunity to explore diverse methods of inquiry through course work required for fulfilling California State University General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC). Students will develop critical thinking skills, learn to communicate effectively in writing, and acquire an understanding of major concepts, issues, and diverse viewpoints. Through course options, students will use mathematical concepts to solve problems, employ methods of scientific inquiry to understand the world around them, and investigate the arts, humanities and social and behavioral sciences.

CSU General Education-Breadth:

A Certificate of Achievement will be granted to students who complete a minimum of 39 units from category A through E of the CSU general education requirements.

Note: To receive full certification of the CSU general education pattern, a grade of C or better is required in areas A and B4. Certification means that Compton College students have completed the lower-division general education requirements for the CSU. Students must request certification in the Admissions Office.

Note: Completion of CSU General Education Breadth requirements alone is not enough to make students eligible for admission to a CSU. Please consult with a counselor for details on completing transfer admission requirements.

Total Units: 39

Intersegmental General Education Transfer Curriculum (IGETC):

A Certificate of Achievement will be granted to students who complete a minimum of 34 units to fulfill the IGETC pattern requirements.

Note: To receive full certification of the IGETC pattern, a grade of C or better is required in each course. Certification means that Compton College has verified that students have completed the lower-division general education requirements for IGETC. Students must request certification in the Admissions Office.

Note: Completion of the IGETC requirements alone is not enough to make students eligible for admission to a CSU or UC. Please consult with a counselor for details for completing transfer admission requirements.

Total Units: 34

STUDIO ARTS

The art program provides students with a comprehensive foundation in the history, theory, and practice of art. Each student acquires observational, compositional, technical, interpretative, and expressive competency through participation in an extensive range of studio art courses. Exposure to a culturally diverse art history curriculum prepares each student to analyze, assess, and discuss works of art from a variety of historical and style periods. Proficiencies are demonstrated through class projects, critiques, research papers, essays, and objective tests. Students will be prepared to transfer to a CSU and major in studio arts, and pursue a variety of art-related careers.

The Associate of 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 the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses that are eligible for transfer to the California State University.
2. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum overall grade-point average of 2.0.
5. A grade of "C" (or "P") or better in all courses required for the major or area of emphasis. Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Program Learning Outcomes: Upon successful completion of the degree program, students will be able to:

- Create artworks that demonstrate competency in the use of form, media, and technique.
- Demonstrate the ability to comprehend, identify, analyze, and critique art works in terms of form, medium, style, and content.
- Demonstrate the ability to critically communicate ideas about art by oral, visual, and/or written methods.
- Research and analyze the historical, geographical, and chronological context of art and visual culture.

Program Requirements for AA-T:

Required Core: 12 units

ART 103	History of Western Art – Proto-Renaissance to 19th Century (3)
ART 110	Drawing Fundamentals I (3)
ART 130	Two-Dimensional Design I (3)
ART 160	Three-Dimensional Design (3)

List A: 3 units

ART 102	History of Western Art – Prehistoric to Gothic (3)
ART 104	History of Western Art –19th Century to Contemporary Times (3)
ART 207	Art History of Mexico and Central and South America (3)
ART 209	History of African Art (3)

List B: 9 units

ART 129	Fundamentals of Color (3)
ART 141	Digital Art Fundamentals (3)
ART 210	Drawing Fundamentals II (3)
ART 219	Watercolor Painting I (3)
ART 220	Watercolor Painting II (3)
ART 222	Fundamentals of Painting I (3)
ART 223	Fundamentals of Painting II (3)
ART 224	Fundamentals of Painting III (3)
ART 230	Two-Dimensional Design II (3)

Total Units: 24

WELDING

The welding program prepares students for employment in the field and provides opportunities for currently employed personnel to upgrade their skills. By completing the degree requirements, students gain proficiency in oxy-acetylene cutting, plasma arc cutting, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, and flux cored welding. Students develop skills in welding ferrous and non-ferrous alloys in flat, horizontal, vertical, and overhead positions and gain skills in layout, fabrication, reading engineering drawings and pipe welding. The program also provides training for students to prepare for AWS D1.1 certification. Competencies will be assessed regularly in accordance with criteria established by the American Welding Society (AWS), the American Petroleum Institute, the American Society of Mechanical Engineers and the American National Standards Institute. At least 50% of the major requirements for the Associate in Science degree must be completed at Compton College.

Program Learning Outcomes: Upon successful completion of the degree or certificate program, students will be able to:

- Success in the Welding Industry: Demonstrate knowledge of the skills needed for success in the welding industry.
- Acquire and use specific safety knowledge and skills relating to welding discipline and will be able to apply those skills to specific job requirements.
- Successfully earn a certificate/graduate/transfer to 4- year universities and will successfully compete for jobs in which they can apply their knowledge and communicative skills acquired in welding program.

Program Requirement for AS Degree: Required Core: 8 units

WELD 108	Introduction to Multi-Process Welding (4)
WELD 109	Advanced Welding for Manufacturing (4)
WELD 111	Introduction to Shielded Metal Arc Welding (SMAW) (4)
WELD 113	Intermediate Shielded Metal Arc Welding (SMAW) (4)
WELD 125	Advanced Certification and Career Preparation Lab (2)
WELD 129	Blueprint Reading (3)
WELD 140	Introduction to Gas Tungsten Arc Welding (GTAW) (3)

8 units from:

WELD 128	American Welding Society (AWS) D1.1 Certification Test Preparation (3)
WELD 142	Intermediate Gas Tungsten Arc Welding (GTAW) (3)
WELD 150	Structural Fabrication (5)

5-6 units from:

WELD 105	Basic Welding for Allied Fields (3)
WELD 123	Advanced Arc Welding Specialty Lab (2)
WELD 144	Advanced Gas Tungsten Arc Welding (GTAW) Skills Lab (2)

Total Units: 26-28

Recommended Electives:

ACR 136	Electrical Applications (4)
ACR 161	Fundamentals of Automation Systems (3)
BUS 117	Personal Finance (3)
MTT 101	Introduction to Conventional and CNC Machining (4)
MTT 110	Introduction to CAD/CAM (3)
MTT 160	General Metals (3)

Note: Students granted course credit for Welding 111 or Welding 140 may take an elective to satisfy the unit requirement for the degree and certificate.

Welding – Certificate of Achievement Program Requirements:

Required Core: 13-14 units

WELD 108	Introduction to Multi-Process Welding (4)
WELD 109	Advanced Welding for Manufacturing (4)
WELD 111	Introduction to Shielded Metal Arc Welding (SMAW) (4)
WELD 113	Intermediate Shielded Metal Arc Welding (SMAW) (4)
WELD 125	Advanced Certification and Career Preparation Lab (2)
WELD 129	Blueprint Reading (3)
WELD 140	Introduction to Gas Tungsten Arc Welding (GTAW) (3)

8 units from:

WELD 128	American Welding Society (AWS) D1.1 Certification Test Preparation (3)
WELD 142	Intermediate Gas Tungsten Arc Welding (GTAW) (3)
WELD 150	Structural Fabrication (5)

5-6 units from:

WELD 105	Basic Welding for Allied Fields (3)
WELD 123	Advanced Arc Welding Specialty Lab (2)
WELD 144	Advanced Gas Tungsten Arc Welding (GTAW) Skills Lab (2)

Total Units: 21-22

General Course Information

Catalog Course Description

The courses and programs presented on the next pages meet standards approved by the Board of Governors of the California Community Colleges as stated in the California Administrative Code, Title 5, Section 55002. All courses are taught by qualified instructors in accordance with a set of instructional objectives common to all students. Appearance of a course description in this catalog does not obligate Compton College to offer the course in any particular semester. For courses offered in a particular term, refer to the Schedule of Classes that is published every fall, spring, and summer. The Schedule of Classes is available on the web at www.compton.edu/student-services/admission-and-records/ClassSchedule and may be obtained at the Bookstore for a nominal fee.

Course Numbering

Courses listed in this catalog are one-semester courses. Those with an upper-case letter after the number, such as English 1A-1B, are a sequence and are organized accordingly.

Lower case letters after the course number, such as Music 259abcd, indicate the number of semesters the student may enroll in the course.

Course sequences with a numerical designation only indicate that the subject be taken in the order beginning with the lowest number. Spanish 1, 2, 3, and 4 is an example.

Numbering on non-sequential courses does not necessarily indicate the order in which such courses must be taken. In all cases, the prerequisites and corequisites must be met before a student will be permitted to enroll.

Prerequisite, Corequisite, Recommended Preparation, Enrollment Limitation

Prerequisite: A prerequisite is a condition of enrollment that a student is required to meet before enrolling in a course or educational program. A student who has not met the prerequisite would be highly unlikely to succeed in the course.

Corequisite: A corequisite is a course that a student is required to take simultaneously to enroll in another course.

Recommended Preparation: Recommended Preparation is a condition of enrollment that a student is advised, but not required, to meet before, or in conjunction with, enrollment in a course or educational program.

Enrollment Limitation: An enrollment limitation means that a student may be required to meet certain conditions before enrolling in a course. This may apply to such courses as intercollegiate competition courses, public performance courses or honors courses.

A course prerequisite, corequisite, recommended preparation, or enrollment limitation is subject to change. Questions regarding the status of the conditions of enrollment for a particular course should be directed to the academic division responsible for the course.

Challenging a Prerequisite or Corequisite:

A student has the right to challenge a prerequisite or on the basis of any one, or combination of, these conditions:

1. The prerequisite or corequisite has not been established in accordance with the district's process for establishing prerequisites and corequisites;
2. The prerequisite or corequisite is in violation of Title 5, Section 55003.
3. The prerequisite or corequisite is unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.
4. The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite.
5. The prerequisite or corequisite course has not been made reasonably available.

Course Credit Codes

A "credit, degree applicable" course is a course which has been designated as appropriate to

the associate degree in accordance with the requirements of Title 5, Section 55002. A “credit, not degree applicable” course is a college course for which credit is granted but is not applicable to the associate degree. A “noncredit course” carries no college credit.

Course Transferability

The course transferability notation indicates if the course is transferable to the CSU and/or UC systems. For example, “transfer CSU, UC” means a course is acceptable for admission eligibility purposes as a general education requirement or major requirement or for elective credit by the California State University and the University of California systems. If followed by an asterisk (UC*), there is a unit limitation on transferability. For details, see a counselor, the Transfer Center, or the

Articulation Officer. Students planning to transfer to a college or university should consult the transfer guide sheets available in Counseling Services, visit the Transfer Center, or view www.assist.org.

Compton College has arranged transferability of courses through articulation agreements with various private colleges and universities. For details, see a counselor, the Transfer & Career Center.



Course Descriptions

ACADEMIC STRATEGIES

AS 1 - Individualized Academic Strategies (Not Transferable)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0 **Grading Method:** P/NP
Credit Status: Credit, not degree applicable
Conditions of Enrollment: None

This laboratory course emphasizes self-paced individualized instruction based on computerized diagnoses of difficulties in reading and/or mathematical computation. After diagnoses, individualized instructor-led and computer-based interventions are offered to improve reading and/or math skills.

AS 60 - Strategies for Success in Distance Education (Not Transferable)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

The goal of this course is to prepare students for taking distance education classes. This course covers the basics of taking an interactive, asynchronous distance education course via the Internet or other computer-based systems. Use of e-mail, online class interactions such as discussion groups, internet access, equipment needs and differences between online and onsite courses will be covered.

ADMINISTRATION OF JUSTICE

AJ 95 - Cooperative Work Experience Education (CSU)

Units: 2-4 **Lecture Hours:** 0 **Lab Hours:** hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major. Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Administration of Justice field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations.

Note: Transfer limitations apply.

Note: The total units earned for Cooperative Work Experience Education may not exceed 16 units.

AJ 99 - Independent Study (CSU)

Units: 1-3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in Administration of Justice with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Administration of Justice not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Administration of Justice projects (54 hours per unit).

Note: Transfer limitations apply.

AJ 100 - Introduction to Administration of Justice (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

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 are examined in a cross-cultural context, emphasis is placed on the United States justice system, particularly the structure and function of police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, sentencing, and incarceration policies.

AJ 103 - Concepts of Criminal Law I (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students examine the historical development and philosophy of law and its application to the criminal justice system. Topics covered include legal research, case law, classifications of crime, crimes against persons and property, and crimes against the state.

AJ 106 - Criminal Justice Career Preparation (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course presents an overview of the criminal justice recruitment and selection process and provides opportunities to gain knowledge and skills that will enable students to be more successful at passing the various testing phases in a criminal justice testing and background investigation process. Instruction begins with the application phase, then addresses the various steps in the hiring process including: the written examination, oral interview, written and oral psychological exams, polygraph exam, physical agility test and background investigation.

AJ 107 - Crime and Control - An Introduction to Corrections (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is a basic course covering crime, criminal behavior, and social attempts at controlling such behavior. Emphasis in this course is placed on traditional types of punishment, such as incarceration, as well as rehabilitation, probation, parole, and diversion. Incarceration issues include officer and inmate safety, physical security aspects of prison, inmate discipline and code of conduct. Rehabilitation topics include education, job skills training and parole. This course covers the basic career skills and knowledge required for employment as detention officers in custodial institutions, probation, and parole.

AJ 109 - Introduction to Police Patrol Procedures (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the study of the history and development of police patrol. Topics covered include functions of patrol, investigative duties of the field officer, techniques for planning patrol activities, handling complaints and requests for service, field interviews, searches, seizures and arrests, civil and domestic disturbances, and the handling of traffic related problems.

AJ 111 - Criminal Investigation (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: AJ 109

This course covers the fundamentals of criminal investigation. Topics include the techniques of crime scene search and recording, collection and preservation of physical evidence, modus operandi processes, sources of information, interview and interrogation, and follow-up investigation.

AJ 115 - Community and Human Relations (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

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 include the shared and conflicting values in culture, religion, and law.

AJ 121 - Introduction to Emergency Management (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: AJ 150

This course introduces students to the fundamentals of emergency management. Students will learn the principles of emergency management and will become familiar with the major issues confronting emergency management providers. The course will emphasize the elements of the Incident Command System. Students will participate in a series of simulated emergency management exercises. Case studies of large scale emergency events will be covered.

AJ 126 - Juvenile Delinquency and Legal Procedures (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

This course is an examination of the origin, development, and organization of the juvenile justice system as it evolved in the American justice system. The course explores the theories that focus on juvenile law, courts and processes, and the constitutional protections extended to juveniles administered in the American justice system.

AJ 130 - Criminal Procedures (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

This course is an in-depth study of the procedures by which a criminal defendant is tried. As enumerated by the Constitution's due process clauses of the Fifth and Fourteenth Amendments, this course examines how this process functions from the point at which a crime is committed to arrest, trial and appeal.

AJ 131 - Legal Aspects of Evidence (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

This course covers the legal aspects of evidence and the constitutional and procedural considerations affecting arrest, and search and seizure. Topics covered include types of evidence and rules governing their admissibility, judicial decisions interpreting individual rights and case studies viewed with respect to how they are applied in a criminal process from arrest to trial.

AJ 132 - Forensic Crime Scene Investigation (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides students with an introduction to forensic crime scene investigation (CSI). It examines the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents and controlled substances. Topics covered will include the workings of a CSI unit, an overview of the relationship between forensic science and law enforcement, as well as evidence collection and analysis rules.

AJ 133 - Fingerprint Classification and Investigation (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the basic principles of fingerprints, including lifting, classification, and identification. The history and scientific basis for fingerprints are studied in relation to current practices and procedures.

AJ 134 - Introduction to Crime Analysis (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to develop basic crime analysis skills needed in today's law enforcement environment. Students will analyze data and transform their analyses into specific and proactive plans to combat crime-related problems. The course prepares law enforcement professionals, both sworn and civilian, who are integrally involved in community-based policing programs, which respond to a community's quality-of-life issues.

AJ 135 - Report Writing (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: AJ 103

In this course, students develop the ability to observe, record and document facts from which a police or criminal justice report could be written. Facts presented are based on simulated crimes that include crime scenes with evidence and witness statements. Students complete a variety of law enforcement report forms and construct police report narratives using proper spelling, grammar and sentence structure in a manner that satisfies typical requirements for a criminal investigation or prosecution.

AJ 142 - Introduction to Digital Evidence (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: AJ 100

This course provides students with an understanding of digital crime scene investigation. Topics include court presentation of evidence requirements involving digital forensic evidence, digital imaging, and metadata. Recognized legal and professional standards will be reviewed. Students will be exposed to contemporary digital forensic tools and processes used in collecting digital evidence from seizure to the admission as evidence in a criminal trial. Procedural and legal issues in the handling, processing, and examination of digital evidence will be studied. Students will learn about methods of handling the chain of custody regarding some digital evidence, and discovery procedures.

AJ 149 - Penal Code 832 - Arrest and Firearms (CSU)**Units:** 3 **Lecture Hours:** 45 **Lab Hours:** 27 **Outside Hours:** 90**Grading Method:** Letter or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None**Enrollment Limitation:** Students must have a Department of Justice (DOJ) background clearance prior to enrolling in this course.

This course is designed to meet the minimum requirements for training as required by Penal Code Section 832 and certified by the California Commission on Peace Officer Standards and Training (P.O.S.T.). The course is certified by P.O.S.T. in the areas of laws of arrest, ethical use of force, arrest and control methods, and firearms training. The course has 38 hours of lecture covering California laws of arrest and firearms, 10 hours of training in arrest and control methods, and 24 hours of training in the use of firearms, for a total of 72 hours. The course will cover the basic fundamentals of the laws of arrest, arrest and control methods, and the basic principles of firearms training that will enhance an individual's ability to meet the State's minimum requirements for employment in a law enforcement or allied agency.

Note: Students pay fees for this course for Department of Justice background check and clearance, firing range, ammunition and targets.

AJ 150 - Introduction to Homeland Security (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course provides an overview of important components of Homeland Security, including various agencies and their interrelated responsibilities. Topics include historical events, critical threats, and legislative constraints that impact national security. The course clarifies the roles of military agencies and local, federal, and international law enforcement in combatting terrorism and identifies characteristics, ideologies, motives, and behaviors of extremist groups that foster and support terrorist activities. Students will examine and interpret forensic evidence to reconstruct crimes of terrorism.

AJ 152 - Intelligence and Security Management (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Recommended Preparation: AJ 150

This course provides an introduction to intelligence analysis and security management, focused on the prevention of terrorist attacks and other threats to national security. Students learn about the national defense system, including private sector defense, and explore the vulnerabilities of these systems. Students are exposed to the intelligence community, how it operates, and examine issues regarding intelligence support of the Department of Homeland Security.

AJ 154 - Transportation and Border Security Management (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Recommended Preparation: AJ 152

This course provides an overview of modern border and transportation security challenges. Different methods designed to address these challenges will be explored. The course covers a time period from post 9/11 to present. Topics associated with border security and security for transportation infrastructure include ships, aircraft, railways, pipelines, and highways. Additional topics include technological solutions employed to enhance security of borders and transportation systems. Students will discuss the legal, economic, political, and cultural concerns as well as impacts associated with transportation and border security.

AJ 156 - Introduction to Terrorism and Counterterrorism (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: AJ 152

This course will provide students with an overview of domestic and transnational terrorism. Varying definitions, perspectives, and underlying causes will be explored along with terrorist weapons of choice. Terrorist and counterterrorist organizations will be examined, as well as incidents involving terrorist efforts, successes, and failures.

AJ 170 - Constitutional Law for Criminal Justice (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students examine the history and development of the United States Constitution and related case law decisions. Emphasis is given to the application of the Constitution as it relates to the administration of justice including free speech, free assembly, use of force, laws of arrest, search, seizure, right to counsel, and due process.

AIR CONDITIONING AND REFRIGERATION**ACR 95 - Cooperative Work Experience Education (CSU)**

Units: 2-4 **Lecture Hours:** 0 **Lab Hours:** hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major. Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Air Conditioning and Refrigeration field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations.

Note: Transfer limitations apply.

Note: The total units earned for Cooperative Work Experience Education may not exceed 16 units.

ACR 99 - Independent Study (CSU)

Units: 1-3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in Air Conditioning and Refrigeration with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Air Conditioning and Refrigeration not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Air Conditioning and Refrigeration projects (54 hours per unit).

Note: Transfer limitations apply.

ACR 121 - Air Conditioning Fundamentals (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to introduce students to air conditioning and refrigeration theory and provide an overview of the skills needed for employment in the industry. Topics introduced include safety, air conditioning system operation and components, brazing, electrical applications, service tools and equipment.

ACR 123 - Commercial Refrigeration Applications (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACR 121 with a minimum grade of C

This course explores refrigeration theory, characteristics of refrigerants, temperature and pressure, tools and equipment, soldering, brazing, commercial refrigeration systems, system components, compressors, evaporators, and metering devices. Students will learn to charge commercial systems with new Environmental Protection Agency (EPA) refrigerants and evaluate the proper operation of systems. Troubleshooting techniques are explained with the use of wiring diagrams and electric meters. Students will learn to service and troubleshoot commercial refrigeration ice machines, coolers, walk-ins, refrigerators, and freezers. Students will be introduced to a variety of commercial refrigeration systems and components.

ACR 125 - Energy Efficient Residential, Commercial and Industrial Air Conditioning (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACR 121 with a minimum grade of C

This course covers energy efficient green technology (high efficiency), advanced residential, commercial, and industrial air conditioning. Labs include the use of air conditioning test equipment, installation, repair, and maintenance of various types of air conditioning systems. Topics include various techniques of troubleshooting electrical and mechanical problems; equipment operational efficiencies and building envelope condition; performing indoor air-quality and system efficiency testing; and system airflow and operational efficiencies.

ACR 127 - Heating Technologies (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACR 121 with a minimum grade of C

This course covers the principles of gas, electric, radiant and boiler operated heating systems. Classroom discussions focus on maintenance, repair, and service techniques for furnaces, steam, and hot water boilers. Laboratory exercises emphasize the use of test instruments and safety controls.

ACR 130 - Electric Controls (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACR 121 with a minimum grade of C

This course covers the study of electrical and electronic components, motors, and circuitry for air conditioning and refrigeration controls. Students apply theoretical principles in diagnosing electrical and electronic problems and safely make necessary repairs to Refrigeration, Heating, Ventilating and Air Conditioning (HVAC) systems. Energy efficiency practices and process related to electric and electronic controls is the focus of this course.

ACR 131 - HVAC Electronics (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ACR 136. Prerequisite: ACR 121 with a minimum grade of C

In this course, the fundamentals of Direct Digital Controls (DDC) used in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems are presented. The topics covered include DDC system components, single and multi-function electronic controls, DDC and pneumatic Variable Air Volume (VAV) systems, variable speed motors, controllers, programmable and configurable logic controller operation and application, introduction to communication protocols, and electronic diagram interpretation.

ACR 134 - HVAC Customer Service and Industry Certifications (CSU)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ACR 121

This is a course in Heating, Ventilation and Air Conditioning (HVAC) customer service, Environmental Protection Agency (EPA) Section 608 and Section 609 Technician Certifications, and North American Technician Excellence (NATE) Certification. Topics include communication skills, problem solving, interview skills, refrigerant recovery and recycling, laws, regulations, and energy efficiency. Students learn vital workplace skills through designed exercises as well as how employers evaluate these skills. Students can prepare for universal EPA and NATE certification.

ACR 136 - Electrical Applications (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ACR 121

This course focuses on basic electrical theory and training in installing, servicing, troubleshooting, and operating electrical control systems for air conditioning and refrigeration technology with the use of electrical diagrams. Single phase and three phase electrical power for air conditioning and refrigeration systems are covered in classroom discussions and laboratory assignments.

ACR 160 - Refrigeration and Air Conditioning Control Systems (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACR 121 and ACR 136 with a minimum grade of C or equivalent.

This course explores control system theory, electrical components, and complex control systems with emphasis on supervisory control systems which employ direct digital, proportional and integral control modes and theoretical faults. The course provides the foundational skills required to analyze and service basic circuits as well as, complex analog control circuitry.

ACR 161 - Fundamentals of Automation Systems (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ACR 121 or ACR 131

This course is an introduction to the fundamentals of automation, commissioning, re-commissioning, retro-commissioning, installation, service and troubleshooting of mechanical, electrical, and Direct Digital Control (DDC) systems for the Heating, Ventilation, Air-Conditioning, and Refrigeration (HVACR) industry. This course includes a review of automation system communication protocols and unit supervisory level programming.

ACR 162 - Energy Control and Optimization Systems (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACR 161 with a minimum grade of C

In this course students will apply knowledge gained to develop, plan, direct, implement, optimize, and sustain system energy efficiency and control in single and multi-site locations. Course topics include direct digital controls, programmable controls, configurable controllers, multi-zone systems, communication protocols, control system commissioning, logic circuits, object and property program structure, and interoperability.

ANATOMY

ANAT 130 - Essentials of Anatomy and Physiology (CSU, UC*)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is the study of anatomy coupled with physiology. Students compare the structure and function of human organ systems to those of other vertebrates. The laboratory includes dissection of sheep brains and hearts, cow eyes and other vertebrates. Laboratory experiments reinforce principles of anatomy and the basic principles of chemistry, cell biology, histology, embryology, and genetics.

Note: This course may satisfy the anatomy requirements for other health-related programs. It does not satisfy the requirements for the Bachelor of Science in Nursing.

**Note: No credit for ANAT 130 if taken after ANAT 132 or PHYO 131.*

ANAT 132 - General Human Anatomy (CSU, UC)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ANAT 130 or BIOL 100

This in-depth course covers all eleven systems of the human body including related histology and pathology. The systems covered are skeletal, muscular, nervous, integument, respiratory, digestive, reproductive, urinary, endocrine, immune, and lymphatic. Models of the human body and dissection of higher vertebrates are emphasized in laboratory. The course is designed for science, health-related, pre-nursing (Bachelor of Science in nursing), and pre-professional majors.

ANATOMY AND PHYSIOLOGY

APHY 134 - Anatomy and Physiology I (CSU, UC)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CHEM 102 or CHEM 104 with a minimum grade of C, or concurrent registration

This is the first semester of the two-semester Anatomy and Physiology lecture and lab course. It is an in-depth course examining major organ systems, their morphology and functions as well as some of their common pathologies. Topics include an introduction to the human body, chemical and biochemical principles, cell morphology and function, cell division, genetics, and histology. In the first semester, the students study the integumentary, skeletal, and muscular systems, as well as the first half of the nervous system. Laboratory investigations include models of the human body and dissection of higher vertebrates, in addition to physiological experiments. The course is designed for science, health-related, pre-nursing (Bachelor of Science in Nursing), and pre-professional majors.

APHY 135 - Anatomy and Physiology II (CSU, UC)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: APHY 134 with a minimum grade of C

This is the second semester of the two-semester Anatomy and Physiology lecture and lab course. Topics examined include special senses, autonomic nervous system, endocrine system, cardiovascular system, lymphatic system and immunity, respiratory system, digestive system and nutrition, cellular respiration, urinary system, fluid, electrolyte, and acid-base balance, reproductive system, genetic conditions and disorders, embryology and development. Laboratory investigations include models of the human body and dissection of higher vertebrates, in addition to physiological experiments. The course is designed for science, health-related, pre-nursing (Bachelor of Science in Nursing), and pre-professional majors.

ANTHROPOLOGY

ANTH 101 - Introduction to Physical Anthropology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course explores and emphasizes the evolution and biological diversity of the human species and our closest living relative, the non-human primates. Topics include genetics, mechanisms of evolutionary change, human variation, and the reconstruction of human evolutionary history through examination of the fossil record.

ANTH 102 - Introduction to Cultural Anthropology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course will provide students with an introduction to culture theory as well as to the cross-cultural understanding of human behavior. Emphasis will be placed on subsistence strategies; marriage and kinship institutions; levels of sociopolitical organization; religious systems; and the effects of cultural change, mainly as the result of European expansion, industrialization, and globalization.

ANTH 103 - Introduction to Archaeology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the field of archaeology in the United States and abroad. It traces the history of archeology and reviews the concepts, topics of concern, and research methodologies commonly encountered within the field of archaeology. Students will be introduced to basic techniques of soils analysis and archaeological materials analysis.

ANTH 104 - Language and Culture (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces students to the anthropological study of language. Using a cross-cultural perspective, students will examine the relationship between culture and the ways in which humans communicate. Topics include language acquisition, structure, diversity, and change. The social and non-verbal aspects of language will also be explored.

ANTH 106 - Native Peoples of North America (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to provide an understanding of the origins, culture areas, and cultural characteristics of native peoples north of Mexico. Topics include the prehistory of these aboriginal New World populations, cultural adaptations to various environments, and interactions with non-natives during and following the period of European expansion.

ANTH 107 - Native Peoples of South America (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on the study of the native peoples of South America. Special emphasis is placed on the understanding of the relationship between the environmental zones of South America and the social, economic, political, and religious institutions of indigenous societies. The current conditions of South American indigenous groups, most often the result of colonialist policies which include globalization and modernization, are also examined.

ANTH 108 - Ancient Civilizations of Mesoamerica (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course traces the development of the indigenous societies of this region from the entry of humans into the Americas at the end of the Upper Paleolithic until the invasion of the Spaniards in the early sixteenth century. Special attention will be given to those societies that achieved chiefdom or state-level political complexity. Topics will include the languages, writing systems, belief systems, political systems, economies, monuments and art of these peoples.

ANTH 109 - Women, Culture, and Society (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a cross-cultural survey of women's experiences in various types of societies including band, tribal, chiefdom, and state level societies. Topics will include women's roles in subsistence strategies, economics, kinship, marriage and the family, political organization, religion, and expressive culture, as well as the cross-cultural social dynamics between men and women. The changing status of women in diverse cultures, the impact of biology and culture on sex roles, and alternate gender categories found in traditional societies will also be examined.

ANTH 111 - Anthropology of Religion, Magic and Witchcraft (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a cross-cultural and evolutionary survey of the supernatural. It includes an examination of magic and witchcraft practices and the different functions they play in various world societies, including hunting and gathering groups, and tribal and state level societies. Religious beliefs, symbolism and ritual are explained from an anthropological perspective.

ANTH 112 - Ancient Civilizations of the Old World (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course traces the emergence of earliest states of the Middle East, Asia, and Europe. The cultural achievements linked to state development are traced through a survey of evidence recovered from the archaeological record, including the earliest written texts. Social and cultural antecedents of the earliest states in the Middle East will be explored. Students will be introduced to anthropological theories that seek to model and explain the features and institutions of state-level societies.

ART

ART 101 - Art and Visual Culture: A Global Perspective (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to art and visual culture across time and diverse cultures with a global perspective. Examining works of art through themes, theory, terminology and media, students acquire analytical and interpretive skills to develop visual literacy as well as an understanding of the role of art and visual culture in relation to contemporary life. This course explores how meaning is constructed, transmitted, and negotiated in an increasingly visual world.

ART 102 - History of Western Art – Prehistoric to Gothic (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108 **Grading Method:**
Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the history of Western art from the prehistoric era through the Gothic period with an emphasis on the relation of artworks to historical and cultural contexts by examining the effects of shifting social, political, philosophical, and spiritual paradigms on the production of art.

ART 103 - History of Western Art - Proto-Renaissance to 19th Century (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the history and development of Western painting, sculpture, and architecture in relation to changing social, political, religious, and philosophical conditions from the 14th through the 19th centuries. The focus is on the Proto-Renaissance, Renaissance, Mannerism, and Baroque periods in Italy, Spain, Flanders, The Netherlands, France, England, Germany, and the New World.

ART 104 - History of Western Art - 19th Century to Contemporary Times (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the history, development, and evolution of painting, sculpture, architecture, photography, and related art forms of Western Europe and the United States from the mid-nineteenth century to the late-twentieth century. Artworks, art movements, and art styles are studied in relation to relevant social, political, philosophical, and technological factors, and the accelerating changes that characterize the modern era. Students will see how the aesthetic of newness, originality, anti-academicism, and radical formal invention characteristic of avant-garde modernism was rooted in the deep-seated societal changes and values that defined modernity. Students will be introduced to fundamental methods of analysis that will assist them in understanding art and aesthetic human activities.

ART 109 - Contemporary Art in World Cultures (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this global survey of contemporary art, students study recent works by artists from different geographical and cultural regions of the world. Emphasis is placed on artworks that reflect changes to world cultures resulting from colonization, war, and globalization and that capture the interconnections among world cultures and individuals from a humanistic perspective. Using a comparative and transnational framework, students identify commonalities and differences in the way diverse cultures and individuals are affected by and respond to global change.

ART 110 - Drawing Fundamentals I (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the techniques, media, and concepts of drawing. Instruction is designed to foster observational, compositional, interpretive, and expressive proficiencies. Representative topics include observation, perception, and the drawing process; contour and line; value, volume, and light theory; composition and pictorial structure; and linear perspective.

ART 129 - Fundamentals of Color (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 72 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the history, theory, and application of color. Students will create various designs, diagrams, and art works. Creative problem-solving in art and design is also emphasized.

ART 130 - Two-Dimensional Design I (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces the elements and principles of two-dimensional design and provides instruction in the fundamentals of graphic communication including visual perception, color structure, composition, and expression.

ART 141 – Digital Art Fundamentals (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ART 110 or ART 130 with a minimum grade of C

This course provides students with a foundation in the two basic types of graphics software, vector (drawing) and raster (painting/photography). Topics include integration of traditional design, color, and compositional principles with contemporary digital tools. Students will work on a variety of digital projects involving drawing, design, typography, photographic manipulation, and animation.

ART 160 - Three-Dimensional Design (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 72 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the concepts and processes of three-dimensional design. Students design and construct projects involving linear and architectural models as well as relief and solid forms. Emphasis is placed on creative solutions to design problems using various construction techniques and materials.

ART 207 - Art History of Mexico and Central and South America (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the art of Mexico, Central America, and South America, from Pre-Columbian civilizations through contemporary times. Key artworks are studied in relation to historical and cultural contexts that consider the effects of shifting social, political, philosophical, and spiritual paradigms on the production of art.

ART 209 - History of African Art (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introductory survey of African art in relation to its historical and cultural contexts. It focuses on specific groups and regions with an emphasis on sub-Sahara West and Central Africa, stressing the different roles of the visual arts within each culture.

ART 210 - Drawing Fundamentals II (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: **Prerequisite:** ART 110 with a minimum grade of C

This course provides intermediate instruction in drawing with emphasis on media development, pictorial space, composition, interpretation, and improvisation.

ART 219 - Watercolor Painting I (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 72 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: **Prerequisite:** ART 110 with a minimum grade of C

This course introduces the student to the concepts and techniques of watercolor painting with emphasis placed on basic washes, media manipulation, color theory, composition, and interpretation.

ART 220 - Watercolor Painting II (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 72 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: **Prerequisite:** ART 219 with a minimum grade of C

This course is a continuation of the concepts and techniques of watercolor painting. Progressively more challenging problems of technique, color, composition, expression, and improvisation will be presented.

ART 222 - Fundamentals of Painting I (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: **Prerequisite:** ART 110 with a minimum grade of C

This course introduces students to the materials, methods and techniques of painting. Emphasis is placed on paint manipulation, color mixing, compositional structure, and form translation.

ART 223 - Fundamentals of Painting II (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: **Prerequisite:** ART 222 with a minimum grade of C

This course provides intermediate instruction in the materials, methods, and techniques of painting with an emphasis on developing proficiency in the use of pictorial space, color, composition and interpretation.

ART 224 - Fundamentals of Painting III (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: **Prerequisite:** ART 223 with a minimum grade of C

This course provides directed research and critical analysis of painting while emphasizing increasingly more complex concepts, themes, and subject matter. Students are encouraged to pursue individual approaches through a combination of historical and contemporary styles. Also covered are techniques and processes necessary to complete a cohesive body of artwork that integrates research, methodology, and invention, and reflects a unified, self-directed visual theme.

ART 230 - Two-Dimensional Design II (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ART 130 with a minimum grade of C

This course is an expanded study of the elements and principles of two-dimensional design. Special emphasis is placed on pictorial interpretation, conceptual synthesis, and graphic purpose. Experimental design strategies will be introduced including variation studies, research and production methods, and electronic media applications.

ASTRONOMY**ASTR 120 - The Solar System (CSU, UC)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the major planets and the smaller members of the solar system such as moons, asteroids, Kuiper Belt Objects, and comets. Theories of the origin and histories of the planets are presented. The early history of astronomy and the Copernican Revolution are discussed. Sky phenomena such as constellations, the seasons, eclipses, and planetary motions are demonstrated in the planetarium. The possibility of life elsewhere in the solar system is examined.

ASTR 120H - Honors The Solar System (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, is an introduction to the major planets and the smaller members of the solar system such as moons, asteroids, Kuiper Belt Objects, and comets. Theories of the origin and histories of the planets are presented. The early history of astronomy and the Copernican Revolution are discussed. Sky phenomena such as constellations, the seasons, eclipses, and planetary motions are demonstrated in the planetarium. The possibility of life elsewhere in the solar system is examined. Students in the honors sections are required to research and write comprehensively about the origin of the solar system.

Note: Students may take either ASTR 120 or ASTR 120H. Duplicate credit will not be awarded for Astronomy 120 and Astronomy 120H.

ASTR 125 - Stars and Galaxies (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the universe and its history. The main focus is on our view of the heavens and how astronomers learn about stars and galaxies. The formation, life histories, and fates of different kinds of stars, including the sun, are examined. Exotic stars as well as black holes are explored. The structure and distribution of galaxies are discussed, with a focus on our own Milky Way Galaxy. The possibility of simple and intelligent life in the Milky Way Galaxy will be examined. The history of the universe, starting with the Big Bang is also investigated.

ASTR 125H - Honors Stars and Galaxies (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, is an introduction to the universe and its history. The main focus is on our view of the heavens and how astronomers learn about stars and galaxies. The formation, life histories, and fates of different kinds of stars, including the sun, are examined. Exotic stars as well as black holes are explored. The structure and distribution of galaxies are discussed, with a focus on our own Milky Way Galaxy. The possibility of simple and intelligent life in the Milky Way Galaxy will be examined. The history of the universe, starting with the Big Bang is also investigated. This course is enriched through extensive rigorous reading, writing, and research assignments.

Note: Students may take either ASTR 125 or ASTR 125H. Duplicate credit will not be awarded for ASTR 125 and ASTR 125H.

ASTR 128 - Astronomy Laboratory (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ASTR 120 or ASTR 120H or ASTR 125 or ASTR 125H with a minimum grade of C in prerequisite or concurrent enrollment

The astronomy laboratory provides students with an introduction to the observation of the sky with telescopes, binoculars, and the unaided eye. The student will become familiar with the principles of set up and operation of telescopes and use them to view the Moon, the Sun, planets, stars, star clusters, and nebulae. The student will use the principles of astronomy to interpret their observations. Students will also learn to identify the bright stars and major constellations visible in California.

Note: This course is offered only at night.

AUTOMOTIVE COLLISION REPAIR/PAINTING**ACRP 95 - Cooperative Work Experience Education (CSU)**

Units: 2-4 **Lecture Hours:** 0 **Lab Hours:** hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major. Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Automotive Collision Repair/Painting field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations.

Note: Transfer limitations apply.

Note: The total units earned for Cooperative Work Experience Education may not exceed 16 units.

ACRP 101 - Introduction to Automotive Collision Repair (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major. This course is designed to introduce students to automotive collision repair and provide an overview of the skills needed for employment in industry. Topics covered include safety practices, industry repair standards, repair theory, tool identification and use, vehicle construction, gas and electric welding, metal finishing, grinding, applying and shaping plastic filler and spraying primer.

Note: ACRP 101 is equivalent to ACRP140 and 150. Students who have completed ACRP140 and 150 have met the 101 prerequisite requirement for ACRP 102, 103, 104,130, 132, and 134.

ACRP 102 - Collision Repair Equipment and Welding Techniques (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACRP 101 or ACRP 140 with a minimum grade of C

This course provides instruction on collision repair equipment and welding techniques involving safety practices, vehicle collision analysis and theory, vehicle disassembly procedures and body component fit-up and alignment principles. The topics of replacing door skins, panel bonding, steel patch panel fabrication, weld-in panel replacement and aluminum panel repair are also covered. Equipment used includes Metal Inert Gas (MIG) and Squeeze-Type Resistance Spot Welders (STRSW), hydraulic jacks, pneumatic and other specialty tools.

ACRP 103 - Major Collision Analysis and Repair (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACRP 101 or ACRP 140 with a minimum grade of C

This course provides instruction in full frame and unibody vehicle construction and damage types, locating and analyzing direct and indirect damage, planning a pull, setting up and using a frame rack with and without computerized measuring systems, and replacing structural parts and panels with Metal Inert Gas (MIG) and Squeeze-Type Resistance Spot Welders (STRSW). The topics of vehicle sectioning, structural glass, suspension components, front-end alignment, and damage estimating are also covered.

ACRP 104 - Mechanical and Electrical Systems for Collision Repair Technicians (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACRP 101 or ACRP 140 with a minimum grade of C

This course includes instruction in steering and suspension system parts and damage identification, wheel alignment, airbag deactivation and reactivation, hybrid/electric vehicle safety and interior upholstery and reconditioning. This course also provides instruction in correcting structural damage and replacing structural parts such as core supports, center pillars, front side members, structural glass, aluminum and composite structural components and restoring corrosion protection.

ACRP 106 - Automotive Collision Repair for Non-Majors (CSU)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to provide students with a brief, hands-on introduction to all facets of automotive collision repair. Topics include safety practices, customer rights and the collision repair process, auto parts nomenclature, dent removal, plastic repair, filler application and shaping, priming, painting, and detailing.

ACRP 120 - Automotive Collision Investigation (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is an introductory course in automotive collision investigation designed for students preparing for employment in the fields of automotive collision repair, automotive insurance investigation, and accident reconstruction. Emphasis is placed upon vehicle identification, vehicle design and construction, occupant restraint systems, tire identification and construction, identification of tire marks, the coefficient of friction, and speed from skid formulas.

ACRP 122 - Automotive Repair Fraud (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable T
Conditions of Enrollment: Recommended Preparation: ACRP 120

This course covers the elements of fraud encountered in the automotive repair industry and is designed to prepare students for employment in the fields of automotive collision repair, automotive insurance investigation, and accident reconstruction. Topics include fraud detection, investigation procedures and collection of evidence related to staged traffic accidents, Vehicle Identification Number (VIN) fraud, and auto insurance fraud.

ACRP 124 - Automotive Collision Analysis (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the elements of automotive collision analysis and is designed to prepare students for employment in the fields of automotive collision repair, automotive insurance investigation, and accident reconstruction. Emphasis is placed on accident causation factors, collision deformation, low speed impacts, calculation of drag factors, speed determination from crush analysis, Event Data Recorder (EDR), fault analysis, roadway debris, and human factors.

ACRP 126 - Automotive Accident Reconstruction (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ACRP 124

This course covers the elements of automotive collision reconstruction and is designed to prepare students for employment in the fields of automotive collision repair, automotive insurance investigation, and accident reconstruction. Emphasis is placed on photography of vehicle damage and computer modeling, measuring and documenting, skidmarks, calculation of drag factors, speed from skidmarks considering radius and critical speed scuff, determination of combined velocities, occupant dynamics, time and position analysis, force line determination and Principle Direction of Force (PDOF), conservation of momentum analysis, and Delta-V determination.

ACRP 130 - Basic Automotive Painting – Refinishing (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACRP 101 or ACRP 150 with a minimum grade of C

In this course, students are introduced to automotive painting and refinishing and the skills needed for employment in industry. Topics covered include safety practices, industry repair standards, Volatile Organic Compound (VOC) recording, surface identification, surface preparation, abrasives, metal conditioning, vehicle masking, primers, and spray equipment.

ACRP 132 - Automotive Refinishing Materials and Equipment (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ACRP 101 or ACRP 130 or ACRP 150 or ACRP 152 with a minimum grade of C

This course provides instruction on the principles of automotive refinishing involving safety practices and equipment, air supply equipment, refinishing spray booth, spray equipment, undercoat materials, solvents, topcoat color systems, and paint application procedures.

ACRP 134 - Automotive Refinishing Applications (CSU)**Units:** 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: ACRP 101 or ACRP 130 or ACRP 140 and 142 or ACRP 150 and 152 with a minimum grade of C

This course provides instruction on the principles of automotive refinishing involving safety practices, estimating, paint additives, paint removal, plastic component refinishing, spot repair, color sanding and buffing, multi-stage finishes and paint accessories.

ACRP 136 - Introduction to Automotive Collision Estimating (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course provides instruction on the theory and application of developing a written damage estimate using forms, books, guides, and charts. Students will learn vehicle construction types and parts nomenclature, industry standard repair and replacement procedures, state and federal laws regarding collision repair, and how estimating fits into both the technical and business sides of operating a successful collision repair shop.

ACRP 138 - Computerized Collision Damage Estimating (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: ACRP 136 with a minimum grade of C

This course provides instruction on the development of computer-generated damage estimate using both Certified Collateral Corporation's One software (CCC One) and Mitchell estimating software. Students expand their knowledge of non-structural, manual estimate writing by examining and estimating structurally damaged vehicles that require frame straightening, structural panel replacement, vehicle sectioning, electrical and mechanical repairs, suspension alignment and wheel alignment. Students also learn how to make use of the digital documentation, workflow and business management features of the software to run an efficient and profitable repair shop.

ACRP 140 - Beginning Automotive Collision Repair I (CSU)**Units:** 4 **Lecture Hours:** 36 **Lab Hours:** 126 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course provides instruction in basic safety, tool identification and use, vehicle construction and parts nomenclature, basic estimating, small dent repair, plastics scratch and dent repair and the mixing and application of primer.

ACRP 142 - Beginning Automotive Collision Repair II (CSU)**Units:** 4 **Lecture Hours:** 36 **Lab Hours:** 126 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course provides instruction in automotive Metal Inert Gas (MIG) and Squeeze-Type Resistance Spot Welding (STRSW) and safety, automotive metals, metal finishing, large dent repair, corrosion protection, and vehicle disassembly and reassembly.

ACRP 144 - Intermediate Automotive Collision Repair I (CSU)**Units:** 4 **Lecture Hours:** 36 **Lab Hours:** 126 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course provides instruction in structural plastic repair, surface and structural repair of fiberglass and composites, aluminum repair and surface treatment for refinishing, vehicle frame and structural parts nomenclature, frame and unibody damage identification and measurement, structural damage estimating, and replacement panel fitment and alignment.

ACRP 146 - Intermediate Automotive Collision Repair II (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 126 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces students to frame straightening and severe collision damage using the frame rack, power post, damage dozer, hydraulic jacks and Porto-Power. hydraulic ram. Topics covered include how to section a vehicle, replace damaged unibody structural panels and prepare replaced panels for rustproofing/refinishing.

ACRP 150 - Beginning Automotive Painting I (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 126 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides instruction in personal safety, environmental laws, introduction to surface preparation, mixing ratios, spray booth use, spray gun adjustment, use and cleaning, priming, and painting vehicle parts and panels, and color sanding and buffing.

ACRP 152 - Beginning Automotive Painting II (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 126 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides instruction in vehicle disassembly for refinishing, surface preparation of unpainted surfaces, specialty undercoats and corrosion protection, plastics refinishing, and painting parts and complete cars.

ACRP 154 - Intermediate Automotive Refinishing I (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 126 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students will learn refinishing repair standards and how to write an estimate for refinishing. Students will learn how to identify and correct paint flaws, choose color variants, retrieve and mix paint formulas, adjust paint for color match, and perform panel blends and spot repairs. Students will also learn how to mask panels for blending and how to refinish composite materials such as fiberglass and carbon fiber.

ACRP 156 - Intermediate Automotive Refinishing II (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 126 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides instruction on production painting skills and maximizing shop throughput by controlling the painting environment through spray booth controls, temperature and humidity control, paint additives and gun adjustment. Additional topics covered include spot blending and applying tri-coat paints, flat paints, truck bedliner, single stage paints and interior paints.

AUTOMOTIVE TECHNOLOGY

ATEC 95 - Cooperative Work Experience Education (CSU)

Units: 2-4 **Lecture Hours:** 0 **Lab Hours:** hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major. Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Automotive Technology field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations.

Note: Transfer limitations apply.

Note: The total units earned for Cooperative Work Experience Education may not exceed 16 units.

ATEC 99 - Independent Study (CSU)

Units: 1-3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in Automotive Technology with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work

This course provides special advanced studies in a subject field of Automotive Technology not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Automotive Technology projects (54 hours per unit).

Note: Transfer limitations apply.

ATEC 101 - Introduction to Automotive Service (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the study of automotive servicing including engine, ignition, fuel, cooling, charging, cranking, drive line, brakes and suspension systems construction and operational theories. Laboratory activities include maintenance procedures and proper use of tools utilized in the field.

ATEC 111 - Brakes, Suspension and Four Wheel Alignment (CSU)

Units: 8 **Lecture Hours:** 90 **Lab Hours:** 180 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101, 125, 127 or 128

This course covers the theory and operation, diagnosis, service, and repair of automotive braking, suspension, and steering systems.

Note: This course is the same as the two-course sequence ATEC 114 and ATEC 116. Students who have completed ATEC 114 and ATEC 116 will not receive credit for ATEC 111.

ATEC 114 – Brakes (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101, 125, 127 or 128

This course covers the theory and operation, diagnosis, service, and repair of automotive braking systems.

Note: The two-course sequence ATEC 114 and ATEC 116 is the same as ATEC 111.

ATEC 116 - Suspension and Four Wheel Alignment (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101, 125, 127 or 128

This course covers the theory and operation, diagnosis, service, and repair of automotive suspension and steering systems.

Note: The two-course sequence ATEC 114 and ATEC 116 is the same as ATEC 111.

ATEC 121 - Introduction to Engine Performance (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 36 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101

This course covers the study, theory and application of computer controlled engine management systems, minor engine performance, electrical and fuel systems. Laboratory activities stress the proper use of test equipment utilized in the automotive field.

ATEC 122 - Introduction to Engine Performance, Electrical and Fuel Systems (CSU)

Units: 8 **Lecture Hours:** 90 **Lab Hours:** 180 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101

This is an introductory engine performance course, which covers construction and operation of the following systems: computer controlled engine management, electrical charging, cooling, emission controls, fuel, and ignition. Laboratory activities stress the proper use of modern test equipment and repair procedures used in the automotive field.

Note: This course is equivalent to the two-course sequence ATEC 123 and 124. Students who have completed ATEC 123 and ATEC 124 will not receive credit for ATEC 122.

ATEC 123 - Engine Performance, Electrical and Fuel Systems (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101

This course covers the study of major engine tune-up, service, and testing of emission control systems. Laboratory activities stress the proper use of test equipment utilized in the automotive field.

Note: The two-course sequence ATEC 123 and ATEC 124 is equivalent to ATEC 122.

ATEC 124 - Computer Controlled Engine Management, Fuel Systems and Emissions (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 121 or ATEC 123

This course covers the study of computer controlled engine management systems with an emphasis on onboard diagnosis second generation (OBD II) protocols, fuel system and fuel injection system testing, diagnosis and service and vehicle emissions. Laboratory activities stress the proper use of modern test equipment utilized in the automotive field.

Note: The two-course sequence ATEC 123 and ATEC 124 is equivalent ATEC 122.

ATEC 125 - Automotive Electrical Systems (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 121 or ATEC 123

This course covers the theory and operation of automotive electricity, electronic components, and systems. Laboratory activities stress the proper use of test equipment utilized in the automotive field.

Note: The two-course sequence ATEC 125 and ATEC 128 is the same as ATEC 127.

ATEC 127 - Electrical, Electronics and Computer Controlled systems (CSU)

Units: 8 **Lecture Hours:** 90 **Lab Hours:** 180 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ATEC 122 with a minimum grade of C

This course covers the study of Automotive On-Board Diagnostics II computer-controlled engine management systems, body electrical and electronic systems, onboard computer networking and computer controlled ignition testing, including diagnosis and repair procedures. Laboratory activities stress the proper use of test equipment utilized in industry.

Note: ATEC 127 is the same as two-course sequence ATEC 125 and ATEC 128. Students who have completed ATEC 125 and 128 will not receive credit for ATEC 127.

ATEC 128 - Automotive Testing and Diagnosis (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: A total of 8 units from the following courses: ATEC 122, 123, 124 or 125 with a minimum grade of C

This course covers the study of advanced automotive testing and diagnostic procedures of modern computer controlled engine management systems including ignition, fuel trim, electrical and electronic systems, On Board Diagnostics generation 2 (OBD 2) computer control systems and related network multiplexing and communications. Electronic body control operations, networking and diagnostics are also explored. Laboratory activities stress the proper use of modern diagnostic equipment utilized in the automotive field.

Note: The two course sequence ATEC 125 and ATEC 128 is the same as ATEC 127.

ATEC 133 - Transmissions, Drive Train and Drive Axles (CSU)

Units: 8 **Lecture Hours:** 90 **Lab Hours:** 180 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101 or ATEC 121

This course covers the theory and operation, diagnosis, service, and repair of automotive automatic and manual transmissions, transaxles, and drive trains.

Note: This course is the same as the two-course sequence ATEC 134 and ATEC 135. Students who have completed ATEC 134 and ATEC 135 will not receive credit for ATEC 133.

ATEC 134 - Automatic Transmissions (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101, 122, 123, 124, 125, 127 or 128

This course covers the theory and operation, diagnosis, service, and repair of automotive automatic transmissions and transaxles.

Note: The two-course sequence ATEC 134 and ATEC 135 is the same as ATEC 133. Students who have completed ATEC 134 and ATEC 135 will not receive credit for ATEC 133.

ATEC 135 - Manual Transmission, Drive Train and Drive Axles (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101, 122, 125 or 128

This course covers the theory and operation, diagnosis, service, and repair of automotive manual transmissions, drive axles, and drive trains.

Note: The two-course sequence ATEC 134 and ATEC 135 is the same ATEC 133. Students who have completed ATEC 134 and ATEC 135 will not receive credit for ATEC 133.

ATEC 141 - Engine Rebuilding (CSU)

Units: 8 **Lecture Hours:** 90 **Lab Hours:** 162 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101

This course covers engine construction, operation, diagnosis, and proper rebuilding procedures. Laboratory activities emphasize the proper use of tools and equipment utilized in the field of engine diagnosis and engine rebuilding. Also covered are machining processes such as drilling and tapping, milling, surfacing, boring and honing, pin fitting, press work, resurfacing, reaming, knurling, repairing of damaged threads, measuring, grinding valves and valve seats, and crack detection methods and repairing.

ATEC 142 - Engine Repair (CSU)

Units: 8 **Lecture Hours:** 90 **Lab Hours:** 162 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101

This course covers the study of automotive engine construction and operation, diagnosis, and repair procedures of the following: cylinder head removal and valve grinding, camshaft and timing gear replacement, water pump replacement, oil, coolant, and manifold (intake and exhaust) leaks, engine maintenance and the installation of long or short blocks. Replace pistons and/or connecting rods, piston rings, engine bearings, crankshaft seals, camshaft seals, oil pan gasket, valve/camshaft cover gaskets, flywheel, pulleys, crankshaft balancer and other engine repair items that would need to be replaced or repaired. Laboratory activities stress the proper use of equipment utilized in the field.

ATEC 143 - Introduction to Engine Repair (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101

This course covers the study of automotive engine construction and operation. The diagnosis and repair procedures will include the following: cylinder head, valve grinding, camshaft and timing gear, water pump, diagnosing fluid leaks, and manifold (intake and exhaust) leaks and engine maintenance. Laboratory activities stress the proper use of equipment utilized in the automotive field.

ATEC 145 - Automotive Machining (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ATEC 101

This course covers the study of machining processes used in the automotive trade. Topics include drilling and tapping, milling, surfacing, boring and honing, pin fitting, press work, resurfacing, reaming, knurling, repairing of damaged threads, measuring, grinding valves and valve seats, and crack detection methods and repairing. Laboratory activities stress proper use of equipment utilized in the automotive engine rebuilding field.

ATEC 181 - Automotive Air Conditioning (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the theory and operation, diagnosis, service, and repair of automotive heating, ventilation, and air conditioning systems.

BIOLOGY**BIOL 100 - Fundamentals of Biology (CSU, UC*)**

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of all living things: prokaryotes, protists, fungi, plants, and animals. Basic principles of structure, function, and relationships of living organisms are discussed with special reference to humans.

**Note: Students may take either BIOL 100 or BIOL 100H. Duplicate credit will not be awarded for BIOL 100 and BIOL 100H. Students will not receive UC credit for BIOL 100 or BIOL 100H if taken after BIOL 101 or BIOL 101H.*

BIOL 100H - Honors Fundamentals of Biology (CSU, UC*)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course is designed for students in the Honors Transfer Program. This course is a survey of all living things: prokaryotes, protists, fungi, plants, and animals. Basic principles of structure, function, and relationships of living organisms are discussed with special reference to humans. This course is enriched through writing assignments that involve research and analysis.

**Note: Students may take either BIOL 100 or BIOL 100H. Duplicate credit will not be awarded for BIOL 100 and BIOL 100H. Students will not receive UC credit for BIOL 100 or BIOL 100H if taken after BIOL 101 or BIOL 101H.*

BIOL 101 - Principles of Biology I (CSU, UC)

Units: 5 **Lecture Hours:** 54 **Lab Hours:** 108 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CHEM 104 or CHEM 104H with a minimum grade of C

This course is a survey of eukaryotic organisms, their evolution and ecology. The student will have a thorough exposure to plant and animal anatomy and physiology, and will utilize animal dissection in the lab. Students will be expected to complete a project that includes hypothesis, prediction, experimentation, and presentation of results. This course is one of three courses in the biology series designed for biology majors, including those students planning to pursue a career in medicine, dentistry, or other life sciences.

Note: It is recommended that CHEM 150 be taken concurrently in preparation for BIOL 102.

BIOL 101H - Honors Principles of Biology I (CSU, UC)

Units: 5 **Lecture Hours:** 54 **Lab Hours:** 108 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: CHEM 104 or CHEM 104H with a minimum grade of C
This honors course, intended for students in the Honors Transfer Program, is a survey of eukaryotic organisms, their evolution and ecology. The student will have a thorough exposure to plant and animal anatomy and physiology and will utilize animal dissection in the lab. Students will be expected to complete a project that includes hypothesis, prediction, experimentation, and presentation of results. This course is one of three courses in the biology series designed for biology majors, including those students planning to pursue a career in medicine, dentistry, or other life sciences. This course is enriched through extensive rigorous reading, writing, and research assignments.

Note: Students may take either BIOL 101 or BIOL 101H. Duplicate credit will not be awarded for BIOL 101 and BIOL 101H.

BIOL 102 - Principles of Biology II (CSU, UC)

Units: 5 **Lecture Hours:** 54 **Lab Hours:** 108 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: CHEM 150 with a minimum grade of C
This course offers a detailed study of eukaryotic cell anatomy, metabolism, and division, including the study of Mendelian genetics and the molecular genetics of eukaryotes. Prokaryotic cellular structure (eubacteria and archaea), microbial genetics, and viruses are also studied. The scientific method is discussed in the lecture component and students implement elements of the process in various laboratory exercises. This course is one of three courses in the biology series designed for biology majors, including those students planning to pursue a career in medicine, dentistry, or other life sciences.

BIOL 102H - Honors Principles of Biology II (CSU, UC)

Units: 5 **Lecture Hours:** 54 **Lab Hours:** 108 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CHEM 150 with a minimum grade of C

This honors course, intended for students in the Honors Transfer Program, offers a detailed study of eukaryotic cell anatomy, metabolism, and division, including the study of Mendelian genetics and the molecular genetics of eukaryotes. Prokaryotic cellular structure (eubacteria and archaea), microbial genetics, and viruses are also studied. The scientific method is discussed in the lecture component and students implement elements of the process in various laboratory exercises. This course is one of three courses in the biology series designed for biology majors, including those students planning to pursue a career in medicine, dentistry, or other life sciences. This course is enriched through extensive rigorous reading, writing, and research assignments.

Note: Students may take either BIOL 102 or BIOL 102H. Duplicate credit will not be awarded for BIOL 102 and BIOL 102H.

BIOL 103 - Fundamentals of Molecular Biology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BIOL 101 or BIOL 101H, and BIOL 102 or BIOL 102H with a minimum grade of C, or concurrent enrollment

This course is an introduction to molecular biology. The student will study DNA, RNA, and protein structure; protein biochemistry; protein purification and analysis; genome organization of viruses, prokaryotes and eukaryotes, DNA replication; transcription and splicing; regulation of transcription; translation; and recombinant DNA technology. The student will also explore the uses of DNA technology, such as forensics and agriculture, as well as the ethical considerations of these uses.

BIOL 115 - Environmental Aspects of Biology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Basic ecological and biological principles and concepts are emphasized in the study of the structure and function of ecosystems. Major ecological problems such as over-population, resource depletion and food production are related to endangered species and habitat degradation. Environmental pollution of air and water resources are considered in local areas as well as national and international situations. Air quality and global warming issues are considered. Students are encouraged to participate in local activities addressing environmental problems and restoring and improving local habitats.

BIOL 117 - Marine Biology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is an introductory marine biology lecture course exploring biological principles and structure, function, and adaptation for marine life. It includes a review of the history of marine biology and a discussion of local species of marine plants and animals and major marine communities. Human interaction and impact on the ocean are also discussed.

BIOL 118 - Marine Biology Laboratory (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BIOL 117 with a minimum grade of C

This is an introductory marine biology laboratory course designed to complement the marine biology lecture course. The laboratory course will explore the animals and plants living in the ocean and their structure and adaptations for a marine environment. Local species will be identified and classified, and local aquariums will be visited.

BIOTECHNOLOGY**BTEC 101 – Introduction to Biotechnology (CSU)**

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces fundamental biology concepts with a focus on biotechnology and is appropriate for a wide range of students, including non-biology majors. Course content will include cell structure and function, patterns of inheritance, molecular biology, genetic engineering, drug development, biofuels, and discussion of utilizing living systems to address current societal challenges. Students will gain hands-on experience with biotechnology techniques and applications.

BTEC 150 – Techniques in Cell and Molecular Biology (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BTEC 101 with a minimum grade of C

This course prepares students for entry-level work in the biotechnology industry by emphasizing basic cellular and molecular biology techniques needed to work effectively in a bioscience laboratory. A heavy emphasis is placed on culturing and manipulating cells including genetic engineering and protein analysis. This course also introduces students to standard biotechnology laboratory skills including laboratory measurements, preparation of solutions, data collection and evaluation, basic separation methods, molecular techniques, aseptic technique, and documentation. Good communication and work-readiness skills are emphasized.

BTEC 200 – Quality and Regulatory Practices in Biomanufacturing (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces concepts of quality and regulatory practices as they relate to biomanufacturing in regulated environments. Topics including documentation, good laboratory practice (GLP), current good manufacturing practice (cGMP), Quality Control (QC), and Quality Assurance (QA) will be emphasized. This course will prepare students to become certified as a Certified Quality Improvement Associate (CQIA) through the American Society for Quality (ASQ).

BTEC 210 – Technical Communication for Regulated Environments (CSU)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BTEC 101 with a minimum grade of C

This course provides the essential tools to write some of the many types of documents used in regulated environments in the field of biotechnology including reports, standard operating procedures (SOP's), and investigations. It addresses the elements of technical writing, technical oral presentations, and develops the techniques needed to deliver high quality documents and presentations that are logical, clear, and concise.

BTEC 220 – Biomanufacturing (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BTEC 150 with a minimum grade of C

In this laboratory-focused course, students will gain hands on experience in protein production, purification, and validation while following current Good Manufacturing Practices (cGMP). Students will apply quality control principles to design an environmental monitoring plan. Additionally, students will become familiar with cleaning, sanitizing, calibrating, operating, and monitoring of large-scale biomanufacturing production and purification equipment.

BUSINESS**BUS 101 - Financial Accounting (CSU, UC)**

Units: 4 **Lecture Hours:** 72 **Lab Hours:** 18 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is an introductory course covering the fundamental theory, principles, and procedures of financial accounting with an emphasis on the corporate entity. Topics include ethics and the analysis, recording, and summarizing of accounting transactions on the accrual basis. Financial statements are prepared and analyzed. An emphasis will be on accounting as an information system to meet the demands of users for decision-making. Computer applications are integrated into the homework.

BUS 102 - Managerial Accounting (CSU, UC)

Units: 4 **Lecture Hours:** 72 **Lab Hours:** 18 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BUS 101 with a minimum grade of C

This course emphasizes advanced accounting theory, principles, and practices for the corporation form of ownership. A major focus of the course is on managerial, cost, and manufacturing accounting and related issues in the corporate environment.

BUS 103 - Intermediate Accounting (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BUS 102 with a minimum grade of C

This course emphasizes advanced financial accounting theory and practice for the corporate form of ownership. A major focus of the course is on the preparation and analysis of complex financial statements, notes, and special reporting issues.

BUS 104 - Intermediate Accounting (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BUS 103 with a minimum grade of C

This course is a continuation of the study of advanced financial and managerial accounting theory and practice for the corporate form of ownership. The emphasis of the course is on the analysis, evaluation, and preparation of complex corporate financial statements including notes, special topics, and extenuating circumstances and the resulting reporting issues.

BUS 109 – QuickBooks (CSU)

Units: 2 **Lecture Hours:** 27 **Lab Hours:** 27 **Outside Hours:** 54
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course students will be introduced to basic financial record keeping software using the double-entry system for recording transactions. Emphasis will be placed on how to use the accounting application software in a small business environment.

BUS 111 - Accounting for Small Business (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course addresses the accounting cycle for a small business. Topics covered include the fundamental accounting equation, types of accounts, debits and credits, the trial balance, the general journal, general ledger and preparation of financial statements. Adjusting entries, closing entries, and the post-closing trial balance will be prepared. Additional topics in this course include cash, cash controls, payroll, and employer taxes. This is an accounting course for small business in service environments.

Note: This course is not open to students who have credit for or are currently enrolled in BUS 101. This course is not recommended for the student who has completed two years of high school bookkeeping with a grade of C or better.

BUS 112 – Advertising (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course students will study how to create effective and compelling advertising campaigns through print, broadcast, and electronic media. Topics to be covered include branding, message creation, and media placement. Also emphasized are the concepts of ethics, social responsibility, and consumer benefits.

BUS 114 – Marketing (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to marketing principles and explores marketing concepts and strategies. Topics include market analysis, planning, product development, marketing mix, and media decisions. Electronic marketing and the environmental factors of marketing including social, ethical, and legal considerations are also studied.

BUS 115 - Business Mathematics (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to prepare students for mathematical concepts involving quantitative reasoning and analysis in management, finance, accounting, real estate, and other areas of business. The course content involves a thorough study of all aspects of business mathematics including computational skills, percentages, bank reconciliation, use of business formulas and equations, payroll, discounts, and markup/markdowns, simple and compound interest, present values analysis, annuities and sinking funds, credit, depreciation and inventory, payroll taxes, promissory notes, insurance, financial reports, and business statistics.

BUS 117 - Personal Finance (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: None

In this course, students will learn how to develop personal financial goals and how to use financial planning to help achieve life goals. Students will learn budgeting, planning for the financial future, and how to incorporate investment choices such as stocks, real estate, bonds, and mutual funds. Students will examine how personal financial management impacts individuals and families and how to calculate the financial impacts of their decisions.

BUS 119 - Principles of Retailing Management (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course examines the principles and practices used in the management of successful retail stores. Topics include site selection, layout, merchandising, staffing, positioning, customer service, promotional techniques, and all aspects of the critical buying function.

BUS 120 - Business Management (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a study of the concepts and procedures critical to managing a business successfully in a global, competitive environment. Planning, organizing, leading, controlling, and the application of managerial concepts are discussed.

BUS 121 - Human Resources Management (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a study of effective utilization of human resources within an organization. Emphasis is placed on principles of human resources strategy and planning, recruitment, selection, training and development, employee appraisals, compensation and benefits, legal considerations, organized labor, and health and safety practices. Effective management of common issues in human resources from the perspective of the employee and employer are discussed.

BUS 122 - Human Relations in Organizations (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the major themes of human relations in organizations and the workplace from a psychological, sociological, and physiological perspective. Students will develop critical thinking and ethical reasoning skills as students apply behavior science theories and principles. Topics include values, perception, motivation, conflict management, teamwork, and leadership.

BUS 124 - Small Business Entrepreneurship (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides students with the ability to identify opportunities and develop them into viable small businesses or non-profit organizations. Students will focus on building the entrepreneurial skills needed to initiate and manage a small business or small organization. Areas of concentration include product development, acquiring financing, drafting a business plan, advertising, accounting, legal forms of organizations, and strategic planning.

BUS 125 - Introduction to Business (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of organization and management factors influencing the establishment, location, and operation of businesses. This course emphasizes the functional area of accounting as well as the legal framework within which business activities are conducted. The course also emphasizes the principles of Total Quality Management (TQM) in a multicultural and globalized environment.

BUS 127 - Effective English for Business (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a study of written English skills that are critical to communicate successfully in a business environment. Focus is placed on English grammar, usage, and sentence structure.

BUS 128 – Written Business Communications (CSU)

Units: 3 **Lecture Hours: 54** **Lab Hours: 0** **Outside Hours: 108**
Grading Method: Letter **Credit Status: Credit, degree applicable**
Conditions of Enrollment: Prerequisite: ENGL 101 with a minimum grade of C

In this course, students will study the theory and practice of functional writing to give them an understanding of the human relations aspects of communication, to help develop logical patterns of organizing ideas, and to aid in achieving clear, concise expression. Practice in writing various types of business letters and reports will be emphasized throughout the course.

BUS 129 - Oral Business Communications (CSU)

Units: 3 **Lecture Hours: 54** **Lab Hours: 0** **Outside Hours: 108**
Grading Method: Letter **Credit Status: Credit, degree applicable**
Conditions of Enrollment: None

In this course, students will compose and deliver original business presentations with a focus on effective speaking in business situations. The course will focus on techniques of research, preparation, presentation, and evaluation. Various business formats including interviewing, delivering formal business presentations, speaking within a small group and interpersonal conversations, impromptu speaking and briefings will be covered.

CHEMISTRY**CHEM 102 - Fundamentals of Chemistry (CSU, UC*)**

Units: 5 **Lecture Hours: 72** **Lab Hours: 54** **Outside Hours: 144**
Grading Method: Letter **Credit Status: Credit, degree applicable**
Conditions of Enrollment: Prerequisite: None

This course introduces fundamental theory and principles of chemistry applied to inorganic, organic, and biological chemistry. Atomic and molecular structure, chemical and physical changes, gases, solutions, nomenclature, equations, and calculations will be emphasized.

**Note: The maximum UC credit allowed for students completing CHEM 102, CHEM 104, CHEM 104H is one course. Students will not receive UC credit for CHEM 102 if taken after CHEM 150.*

CHEM 104 - Beginning Chemistry (CSU, UC*)

Units: 5 **Lecture Hours: 54** **Lab Hours: 108** **Outside Hours: 108**
Grading Method: Letter **Credit Status: Credit, degree applicable**
Conditions of Enrollment: Prerequisite: MATH 80 with a minimum grade of C

This course introduces the principles of chemistry, modern concepts of atomic structure and periodicity as a basis for understanding bonding, chemical formulas, chemical equations and chemical reactions, states of matter, important elements and their compounds, solutions, acid-base theories, and reactions, net ionic equations, oxidation-reduction, kinetics and chemical equilibrium, chemical nomenclature, and calculations. In the laboratory, emphasis is on observations, measurements, and elementary quantitative experiments with an introduction to qualitative analysis.

**Note: The maximum UC credit allowed for students completing CHEM 102, CHEM 104, CHEM 104H is one course. Students will not receive UC credit for CHEM 104, if taken after CHEM 150.*

CHEM 104H - Honors Beginning Chemistry (CSU, UC*)

Units: 5 **Lecture Hours:** 54 **Lab Hours:** 108 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 80 with a minimum grade of C, or equivalent.

This honors course, intended for students in the Honors Transfer Program, introduces the principles of chemistry, modern concepts of atomic structure and periodicity as a basis for understanding bonding, chemical formulas, chemical equations and chemical reactions, states of matter, important elements and their compounds, solutions, acid-base theories and reactions, net ionic equations, oxidation-reduction, kinetics, and chemical equilibrium, chemical nomenclature, and calculations. Historical and current chemical concepts will be investigated in a required research paper. In the laboratory, emphasis is on observations, measurements, and elementary quantitative experiments with an introduction to qualitative analysis. This course is enriched through extensive rigorous reading, writing, and research assignments.

Note: The maximum UC credit allowed for students completing CHEM 102, CHEM 104, CHEM 104H one course. Students will not receive UC credit for CHEM 104H if taken after CHEM 150.

CHEM 150 - General Chemistry I (CSU, UC)

Units: 5 **Lecture Hours:** 54 **Lab Hours:** 108 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CHEM 104 or CHEM 104H with a minimum grade of C, or 1 year of high school chemistry; and eligibility for Mathematics 170 .

This course details fundamental theory and principles of atomic and molecular structure, physical states, and chemical reactions. Included is the study of elements, compounds, periodic relationships, bonding, acids and bases, oxidation-reduction, energy, solutions, electrolytes, and chemical equations. Descriptive chemistry of water and selected nonmetals including hydrogen, oxygen and carbon is presented.

CHEM 152 - General Chemistry II (CSU, UC)

Units: 5 **Lecture Hours:** 54 **Lab Hours:** 108 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CHEM 150 with a minimum grade of C

This course details the chemistry of elements and their compounds in periodic groupings, transition metal complexes, chemical equilibrium, chemical thermodynamics, kinetics, aqueous solutions, net ionic equations, oxidation - reduction equations, electrochemistry, and nuclear processes. In the laboratory, qualitative analysis of common metallic and nonmetallic ions will be performed, as well as additional experiments on selected lecture topics.

CHILD DEVELOPMENT**CDEV 103 - Child Growth and Development (CSU, UC)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to child development from conception through adolescence with an emphasis on the interaction between the maturational processes and environmental factors relating to physical, cognitive, and psychosocial growth. While studying developmental theory and investigative research methodologies, students will observe and interview children, evaluate individual differences and analyze characteristics of development at various stages. Also, the effect of cultural influences on development will be studied.

Note: This is a core course for all teachers and assistants in early childhood programs regulated by the State of California.

CDEV 104 - The Home, The School, The Community (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course examines the interconnection among the development of the child from birth to adolescence in the home, the family, the school, and the community. Emphasis is placed on the importance of respectful, reciprocal relationships that support and empower families. Influences of social agents such as family support services, educational systems, media, and peers, and on how these social agents contribute in preparing the child for living independently in a diverse society will also be explored. Additional topics include parenting styles, schooling, roles of teachers, peers, the media, children with special needs, cultural influences on behavior, child abuse, neglect, and social policy.

Note: This is a core course for all teachers and assistants in early childhood programs regulated by the State of California.

CDEV 106 - Care and Education for Infants and Toddlers (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV 103 with a minimum grade of C or concurrent enrollment

In this course students will study the principles of inclusive and respectful care giving for infants and toddlers in relation to curriculum development and design. Students will apply current theory and research to the care and education of infants and toddlers in group settings as they study typical and atypical development of infants/toddlers. Essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months will be examined. Topics include current brain research, issues relating to health and safety, licensing requirements, observation techniques, assessment strategies, as well as ways to communicate with parents, implement home visits, and develop early intervention plans.

CDEV 107 - Infant/Toddler Development (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

In this course students will study infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Students will apply theoretical frameworks to interpret behavior and interactions between heredity and environment. Students will focus on the role of family, the effect of the adult-child relationship on an infant's development, practical applications of developmental theories in relation to infant/toddler group care, and the importance of demonstrating respectful and sensitive practices in relation to cultural differences in childcare settings. Topics include developmentally appropriate environments, curriculum, and state-mandated licensing regulations.

CDEV 108 - Principles and Practices of Teaching Young Children (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

This course examines the underlying theoretical principles of developmentally appropriate practices applied to programs and environments. The key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, emotional, creative, and cognitive development in young children will be emphasized. This course includes a review of the historical roots of early childhood programs and current philosophies and methodologies of early childhood education. Topics include observation, analysis, and assessment of young children's development, identification of effective teaching strategies, age-appropriate environments, and professional ethics.

CDEV 110 - Child Health, Safety, and Nutrition (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the laws, regulations, standards, policies, procedures, and curriculum related to child health, safety, and nutrition in early childhood education. The key components that ensure physical health, mental health, and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Topics include indoor and outdoor safety, chronic and acute illnesses, accident prevention, health screening, disaster planning, nutrition, contagious diseases, and identifying and working with children with special needs. Students will focus on integrating these concepts into everyday planning and program development throughout the curriculum for infants, toddlers, and preschool children. Students will develop and present health and safety education curriculum appropriate for children, staff, and parents.

CDEV 112 - Teaching Young Children in a Diverse Society (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

In this course, students will examine the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms and teaching. Various classroom strategies will be explored emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. Topics include self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, and media and schooling.

CDEV 114 - Observing and Assessing Young Children (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

In this course, students will examine the appropriate use of assessment and observational strategies for young children and document development, growth, play, and learning in order to work with families and professionals in promoting children's success and maintaining quality programs. Recording strategies, rating systems, portfolios, and multiple assessment methods will be explored. Students will analyze, through observation and research, common behavioral issues and the possible underlying influences on behavior. The role of the teacher in promoting an environment which fosters appropriate behavior will be examined. Students will be required to conduct observations in local school programs.

CDEV 115 - Introduction to Curriculum (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age six. Students will examine the teacher's role in supporting development and fostering an enthusiasm for learning for all young children using observation and assessment strategies emphasizing the essential role of play. An overview of content areas will include language and literacy, social and emotional learning, sensory learning, art and creativity, music and movement, and math and science.

CDEV 116 - Creative Art for Young Children (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

This course focuses on the principles and methods of planning, presenting, and evaluating creative art experiences for young children ages two to six in diverse settings. Emphasis will be placed on facilitating creativity, self-expression, and concept and skill development through the use of art media such as paint, clay, collage, chalk and woodworking. Methods for adapting creative art experiences for children with special needs will be discussed. The course is designed for teachers in training and teachers in service needing to develop and refine skills in understanding, planning, and implementing curriculum. Students will be required to participate in one structured activity related to children and/or professional development outside of class hours.

CDEV 117 - Music and Movement for Young Children (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

This course focuses on the principles and methods of planning, presenting, and evaluating music and movement experiences for young children ages two to six. Activities, such as group singing, rhythmic experiences, perceptual motor, and creative movement, which foster the child's cognitive, psychosocial, and physical development will be presented. Methods for adapting music and movement experiences for children with special needs will be discussed. This course is designed for teachers in training and teachers in service needing to develop or refine skills in planning and implementing music and movement curriculum. Students will be required to participate in one structured activity related to children and/or professional development outside of class hours.

CDEV 118 - Science and Math for Young Children (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

This course focuses on the principles and methods of planning, presenting, and evaluating science and math experiences for young children ages two to six. Students will develop activities that foster children's natural curiosity about scientific and mathematical concepts. These activities will be designed to encourage exploration, experimentation, problem solving, and discovery. Methods for adapting science and math experiences for young children with special needs will also be discussed. This course is designed for teachers in training and teachers in service needing to develop or refine skills in understanding, planning, and implementing developmentally appropriate science and math curriculum. Students will be required to participate in one structured activity related to children and/or professional development outside of class hours.

CDEV 119 - Language Arts for Young Children (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV103 with a minimum grade of C or concurrent enrollment

This course focuses on the principles and methods of planning, presenting, and evaluating language arts activities for young children ages two to six. Appropriate activities for expressive and receptive language development such as storytelling, dramatic play, listening, and emergent literacy will be examined. Methods for adapting language experiences for children with special needs will be discussed. This course is designed for teachers in training and teachers in service needing to develop or refine skills in planning and implementing language arts curriculum. Students may be required to participate in one structured activity related to children and/or professional development outside of class hours.

CDEV 125 - Child Development Practicum I (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: CDEV 103 and CDEV104; one course from CDEV115, 116, 117, 118 or 119 with a minimum grade of C. Note: Practicum students are required to obtain proof of negative TB results or x-ray, Measles-Mumps-Rubella (MMR), diphtheria and pertussis vaccines (Tdap), and influenza vaccination before placement at a mentor site. Per SB 792, 1596.7995. (a) (1) Commencing September 1, 2016, a person shall not be employed or volunteer at any day care center if he or she has not been immunized against influenza, pertussis, and measles. Each employee and volunteer shall receive an influenza vaccination between August 1 and December 1 of each year.

This course provides a practical application of learning theories in early childhood education programs. Students will design, implement, and evaluate experiences that promote positive development and learning for all young children and will observe and interact with children and staff in supervised childcare settings. The course includes methods of working effectively with children, observation and guidance techniques, the role of the preschool teacher and classroom assistant, effective communication with staff and parents, educational requirements, and techniques for gaining employment in the field.

CDEV 126 - Child Development Practicum II (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: CDEV103, 104, 108; CDEV150 or CDEV 152; and two courses from CDEV115, 116, 117, 118 or 119 with a minimum grade of C. One of these courses may be taken concurrently with CDEV126. Note: Practicum students are required to obtain proof of negative TB results or x-ray, Measles-Mumps-Rubella (MMR), diphtheria and pertussis vaccines (Tdap), and influenza vaccination before placement at a mentor site. Per SB 792, 1596.7995. (a) (1) Commencing September 1, 2016, a person shall not be employed or volunteer at any day care center if he or she has not been immunized against influenza, pertussis, and measles. Each employee and volunteer shall receive an influenza vaccination between August 1 and December 1 of each year.

In this course, students will apply and implement developmental teaching theories in an early childhood education setting under guided supervision. The course includes planning, demonstrating, and evaluating learning experiences for children. This course covers aspects of teaching such as strategies for working with children and adults, classroom management skills, program philosophies, and techniques for gaining employment.

CDEV 129 - Introduction to Program Administration (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: CDEV125 or CDEV 126 with a minimum grade of C or 50 days of preschool teaching experience within the past two years.

This course offers an introduction to the administration of early childhood programs and focuses on the regulations, standards and practices for licensed preschool programs. Program types, budgeting, management, regulations, laws, as well as the development and implementation of policies and procedures, are presented. Topics include the role of the program director, interpersonal relationships, public relations, staff recruitment and selection, and community resources. Students will examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program.

CDEV 130 - Principles of Program Administration (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: CDEV125 or CDEV126 with a minimum grade of C or concurrent enrollment or 50 days of preschool teaching experience within the past two years.

This course emphasizes the role of the director in childcare programs. Topics include legislative policies, legal and ethical responsibilities, supervision techniques, fiscal management, leadership styles, professional development, and reflective practices. Effective communication strategies for working with staff and parents, as well as personnel management and leadership, in diverse and inclusive early care and education programs, will also be discussed.

CDEV 131 - Supervising and Mentoring Adults (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: CDEV125 or CDEV 126 with a minimum grade of C or concurrent enrollment or 50 days of preschool teaching experience within the past two years.

In this course, students will study the principles and practices of supervising and evaluating student teachers, volunteers, staff, and other adults in early care and education settings. Topics will include balancing the needs of children, families and staff, ethics, advocacy, and professionalism in the field. Emphasis will be placed on the development of early childhood professionals as mentors and leaders.

Note: This course fulfills the adult supervision requirement for the Child Development Permit and the California Early Childhood Mentor Teacher Program.

CDEV 150 - Introduction to Children with Special Needs (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course offers an overview of the causes, characteristics, prevalence, and needs of children with mild to severe physical, cognitive, and behavioral conditions from birth to age 22 with an emphasis on children ages birth through eight. Students are introduced to the variations in development of children with special needs and the resulting impact on families. An overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process is also examined. Topics include the identification of community agencies for referral and case management, inclusion of children with special needs into mainstream classrooms, and the special needs of gifted and talented children.

CDEV 152 - Curriculum and Strategies for Children with Special Needs (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

In this course, students will study curriculum and intervention strategies for working with children with special needs. Focus will be placed on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. The role of the teacher, the special education assistant, and the in-home respite care provider will be emphasized. Topics include working in partnership with families, designing curriculum and accommodations, collaborating with interdisciplinary teams, and developing cultural competence and responsiveness.

CDEV 154 - Role and Responsibilities of the Special Education Assistant (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course introduces students to the role and responsibilities of the special education assistant. Students will examine effective communication and problem solving techniques, the disabilities that qualify a child for special education consideration, legal and ethical issues, and methods of adapting the environment to meet the needs of the children. Students will also examine the role of specialists who work with children with disabilities and observe in classrooms that serve children with special needs.

CDEV 165 - Autism, ADHD, Physical and Health Impairments (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed for students interested in working as a paraprofessional with children who have been diagnosed with autism, Attention Deficit Disorder (ADD) or Attention Deficit Hyperactivity Disorder (ADHD), children with physical disabilities, and health impairments. Students will be introduced to the social, emotional, cognitive, and academic needs of these children. The causes, signs, symptoms, treatments, and implications of these disorders will be presented. The characteristics of effective teaching methods and the implementation of accommodation strategies in the home and school setting will be explored. The laws governing the rights of children with special needs and their families will be discussed. Students may be required to observe local programs that serve children with special needs.

CDEV 169 - Special Education Practicum (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CDEV 150 or CDEV 152; CDEV 104, 108 and 110; CDEV 115 or 116 or 117 or 118 or 119 with a minimum grade of C

Note: Practicum students are required to obtain proof of negative TB results or x-ray, Measles-Mumps-Rubella (MMR), diphtheria and pertussis vaccines (Tdap), and influenza vaccination before placement at a mentor site.

This practicum provides students with supervised experience working with infants, toddlers, and young children with special needs in a variety of early intervention and educational settings, such as self-contained or fully-included day care programs, regional centers or early childhood classrooms. Students will assist in the planning and implementation of intervention strategies and will work collaboratively with families as well as early intervention and special education professionals. Students will develop communication skills that are culturally sensitive towards the unique needs of children and families of children with special needs.

COMMUNICATION STUDIES**COMS 99 - Independent Study (CSU)**

Units: 1 - 3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None
Enrollment Limitation: Two courses in Communication Studies with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Communication Studies not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Communication Studies projects (54 hours per unit).

Note: Transfer limitations apply.

COMS 100 - Public Speaking (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students will compose, present, and evaluate original speeches. Emphasis is placed on audience analysis, topic selection, research, evidence, organization, delivery, and critical analysis of persuasive communication. Students are required to attend out-of-class speaking events.

COMS 120 - Argumentation and Debate (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces students to the construction of arguments for debates and other speech presentations. Emphasis is placed on analyzing claims, developing arguments that support and refute propositions, and effective delivery. Identification of types of argument and fallacies of reasoning are explored. Controversial issues are discussed, researched, and debated.

COMS 130 - Interpersonal Communication (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students study and apply methods and theories of interpersonal communication such as self-concept, perception, emotions, language and gender differences, nonverbal communication, listening, intimacy, defensiveness, and conflict resolution. Students are required to give formal and informal oral presentations and write reports.

COMS 140 - Small Group Communication (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students plan and participate in a variety of group projects, such as panel and symposium discussions. Topics include decision making, role identification, interpersonal needs within a group, team participation, appropriate interdependency on group members, effective leadership skills, cohesiveness, conflict resolution and professional presentation styles.

COMS 250 - Oral Interpretation of Literature (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students will study how to orally interpret literature through reading poetry, drama, short stories, and essays. Emphasis will be placed on the techniques of exploring, illuminating, and orally presenting the logical, emotional, and aesthetic meanings of literature.

COMS 260 - Introduction to Intercultural Communication (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course examines general communication principles and cross-cultural communication styles and presents in-class activities to enhance cross-cultural communication.

COMS 270 - Organizational Communication (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course examines the theories, methods and practices of communication that contribute to productivity and efficiency in private and public organizations. Emphasis is placed on the social science implications of communication and includes topics such as internal and external communication, interpersonal and group processes, and international communication.

COMPUTER INFORMATION SYSTEMS

CIS 61 - Introduction to Application Development Environment (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit

Conditions of Enrollment: None

This course will prepare students for the Mobile Application Programming Environment using Swift/Apple platform.

CIS 62 - Programming Fundamentals 1 (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit

Conditions of Enrollment: Recommended Preparation: CIS 61

Introduces the fundamental concepts of structured programming. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. This course requires the same math skills necessary for College Algebra. Students should either have taken or be currently enrolled in College Algebra or a course that requires College Algebra.

CIS 63 Programming Fundamentals I: Apple Swift I (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit

Conditions of Enrollment: None

Introduces the fundamental concepts of structured programming and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy.

CIS 64 - Programming Fundamentals II: Apple Swift II (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit

Conditions of Enrollment: Recommended Preparation: CIS 63

This course focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software. Apple/Swift will be the platform used for software development.

CIS 65 - Advanced Application Development Swift (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit

Conditions of Enrollment: Recommended Preparation: CIS 64

This is a capstone course in advanced application development using Swift for iOS devices.

CIS 102 - Office Applications (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

In this course, students are introduced to the Windows operating system and the capabilities of the computer. The file management system, spreadsheets, presentation and database software, email management, and beginning through advanced word processing topics will be taught in a hands-on environment. Operation of the computer as a general purpose office tool will be emphasized. This course uses Microsoft Word, Access, Excel, PowerPoint, and Outlook.

CIS 113 - Computer Information Systems (CSU, UC)

Units: 4 **Lecture Hours:** 54 **Activity Hours:** 36 **Outside Hours:** 126
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: None
Recommended Preparation: MATH 23 or BUS 115

This course introduces students to the concepts and technologies used in processing information in an organization. Topics include information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware, and applications. Students will apply these concepts and methods through hands-on projects developing computer-based solutions using application software.

CIS 116 - Using Microsoft Excel (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C

In this course, students learn to use spreadsheets to solve business and information system problems in a graduated series of laboratory projects. The database, graphics features, macros, and advanced logical and financial functions of spreadsheets are utilized. The student will create and enhance charts, work with multiple worksheets and integrate spreadsheets with other Windows applications.

CIS 119 - Database Management Using Microsoft Access (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C

This course offers instruction in the use of relational database management systems within a Windows environment. Students learn database concepts and terminology. Topics include designing, creating, and modifying table structures and relationships, and creating complex queries. Students create forms for viewing, entering, and editing data, and create reports that summarize and group information. Skills are applied to typical business operations such as inventory and human resources.

CIS 120 - Internet, Social Networking, and the Web (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C

This course explores the current state of the Internet, Social Networking, and the Web in correlation with emerging technologies. Topics discussed and examined through various assignments include Internet fundamentals, web functionality, business uses of the web, social media, privacy and social networking.

CIS 124 - Introduction to eCommerce (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: CIS 113

This introductory course will acquaint the student with fundamentals of Electronic Commerce. The primary focus will be the study of current eCommerce practices, business models, techniques, and opportunities for conducting business via the Internet. This course will help to prepare students for employment as web content managers, eCommerce market research analysts and eCommerce business managers.

CIS 126 - Systems Analysis and Design (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: CIS 113

In this course the student will study systems analysis and design concepts as they are applied in business environments. Topics emphasize methodologies used by the analyst throughout the systems development life cycle to analyze business problems or opportunities, address user needs, perform feasibility studies, specify business requirements through process, data and logic modeling, consideration of development alternatives, and implementation and maintenance of systems.

CIS 131 - Help Desk Operations (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C

This course focuses on current, recognized, best practices in the field of help desk and end-user support targeting the field of Information Technology. Topics include end-user support roles within an organization, strategies in dealing with end-users, technical support documentation, and problem identification/resolution. Course emphasis is placed on using software tools to understand and implement service desk processes such as user support process flow, incident management, needs analysis, troubleshooting, and support documentation.

CIS 132 - Personal Computer Support and Networking (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: CIS 113

In this course, students will become familiar with managing and supporting personal computers and basic networking within an organization. The class will emphasize on A+ Hardware and Software exams to prepare students for A+ certification. Computer and Network hardware and devices such as CPU, Motherboard, Hard drives, tablets, routers, office servers, personal computers, and systems software management are covered. Topics will include network fundamentals, personal computer concepts, computer devices, hardware management, applications and operating system software installation, maintenance and troubleshooting, small network configuration, wireless LAN (Local Area Network), and ethical concerns within the information systems environment.

CIS 140 - Introduction to Networks Cisco 1 (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C; Recommended Preparation: CIS 132

This course introduces students to fundamental networking concepts and technologies. Students will learn the skills necessary to plan and implement small networks across a range of applications. The course uses concepts of both hardware and software in order to understand principles of communication theory. This class is technically oriented and will prepare students for industry certification. Note: This course is semester one in the Cisco Networking Academy program (Preparation for CCNA Certification).

CIS 141 - Routing and Switching Essentials Cisco 2 (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 140 with a minimum grade of C

In this course, students will develop an understanding of how a router learns about remote networks and determines the best path to those networks. This course includes both static routing and dynamic routing protocols. Students will become familiar with the terminology and technology used to design and build local and wide area networks. The course will also focus on routing protocols and concepts. Note: This course is semester two in the Cisco Networking Academy program. (Preparation for the CCNA Certification.)

CIS 160 - Application Development and Programming Using Visual Basic.Net (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C

This course is an introduction to the fundamental concepts and models of application development including program design, data structures, programming, problem solving, programming logic, and design techniques for event-driven programs. A step-by-step, hands-on, project experience is used with a modern application programming language and development platform.

CIS 170 - Mashup JavaScript, jQuery and AJAX (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C

The fundamental concepts and structures of programming for the Web using client-side markup languages and the JavaScript programming language are covered. Students will develop web programs using conditional structures, variables, classes, objects, functions, events, arrays, windows, and forms. Standard documentation, testing and debugging techniques, used in the creation of eBusiness applications will be covered. Additional topics include an introduction to jQuery, XML and JSON data structures, and AJAX technologies used in web services.

CIS 174 - ASP.NET with C# Business Web Programming (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C
Recommended Preparation: CIS 170

This introductory programming course incorporates the basic concepts of web programming, problem solving, programming logic, and design techniques using the Microsoft.NET web programming languages. The student will be able to build a dynamic data-driven web application using an SQL (Structured Query Language) database. Emphasis is placed on emerging web programming skills and technologies to prepare students for advanced programming applications and to enter the e-Business industry.

CIS 176 - Building Mobile Apps (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 113 with a minimum grade of C

In this course, students will design, develop, test, debug and launch mobile applications (apps) using open source standards that are adaptable to various development frameworks such as Android, iOS, and Windows. Topics include design principles, application structure, graphics, user interfaces, animation, cloud services, and data storage. Accessing the native features of the mobile device including geolocation, accelerometer, media capture, notifications, and services will be covered.

CIS 180 - Database Programming (CSU)

Units: 4 **Lecture Hours:** 54 **Activity Hours:** 36 **Outside Hours:** 126
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 119 with a minimum grade of C

The effective and efficient use of the structured query programming language (SQL), used in Oracle, SQL Server, and many other database applications, is introduced and developed in lectures and reinforced through a series of lab projects of increasing complexity. Topics include the building and manipulation of tables, data retrieval, and data administration, as used in modern business.

CIS 182 - Advanced Database Applications (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CIS 119 with a minimum grade of C

This course offers advanced instruction in relational databases. Students will learn to design and develop a database from user specifications. Topics include analyzing source documents, normalizing a database, techniques of effective design, big data, data mining, and data analytics. Applications used are typical business operations such as inventory and human resources.

CIS 190 - Business and Industrial Studies (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: CIS 113.

This course introduces cloud computing which shifts information systems from on-premises computing infrastructure to highly scalable internet architectures. The course provides a solid foundation of cloud computing technologies and provides students with the understanding required to effectively evaluate and assess the business and technical benefits of cloud computing and cloud applications. Students analyze a variety of cloud services (storage, servers and software applications) and cloud providers. Case studies will be used to examine various industry cloud practices and applications. The course also surveys cloud careers and discusses industry demand for cloud skills.

CIS 192 - Database Essentials in AWS (CSU)

Units: 3 **Lecture hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading: Letter grade or P/NP option **Credit Status:** Credit, degree applicable.
Conditions of Enrollment: Prerequisite: CIS 190 with a minimum grade of C

This course addresses cloud database management which supports a number of different approaches for storing data. In the course, students define, operate and scale both SQL and noSQL data storage solutions. This course considers factors that should be balanced during the design of a storage solution. Principles are applied by performing exercises using Amazon RDS and SQL to create and fill tables, retrieve, and manipulate data. Object-based APIs are used to serialize objects to Amazon DynamoDB for noSQL solutions. Topics include automated backups, transaction logs, restoration, and retention.

CIS 194 - Computer Engines in AWS (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading: Letter grade or P/NP option **Credit Status:** Credit, degree applicable.
Conditions of Enrollment: Prerequisite: CIS 192 with a minimum grade of C

In this course, students explore how cloud computing systems are built using a common set of core technologies, algorithms, and design principles centered around distributed systems. Students will use the Amazon Web Services (AWS) Management Console to provision, load-balance and scale their applications using the Elastic Compute Cloud (EC2) and the AWS Elastic Beanstalk. The course discusses, from a developer perspective, the most important reasons for using AWS and examines the underlying design principles of scalable cloud applications.

CIS 196 - Security in AWS (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading: Letter grade or P/NP option **Credit Status:** Credit, degree applicable.
Conditions of Enrollment: Prerequisite: CIS 194 with a minimum grade of C

This course focuses on protecting the confidentiality, integrity and availability of computing systems and data. Students learn how Amazon Web Service (AWS) uses redundant and layered controls, continuous validation and testing, and a substantial amount of automation to ensure the underlying infrastructure is continuously monitored and protected. Students examine the AWS Shared Responsibility Model and access the AWS Management Console to learn more about security tools and features provided by the AWS platform.

COMPUTER SCIENCE

CSCI 101 - Problem Solving and Program Design Using C++ (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading: Letter **Credit Status:** Credit, degree applicable.
Conditions of Enrollment: Prerequisite: MATH 170 with a minimum grade of C

This course will help the students that want to transfer to Universities as engineering or other STEM-related majors, such as computer engineering, electronic engineering technology among other majors. In addition, this course meets the CSU general education requirements for mathematics and quantitative reasoning.

CSCI 102 - Introduction to Data Structure (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CSCI 101 with a minimum grade of C

In this course, the C++ computer language is used to demonstrate a method of representing and manipulating data structures. The student will learn the object-oriented problem-solving skill necessary to read, write, correct complex computer program, and to make an important design decision. Topics include lists, stacks, queues, trees, searching, sorting, modeling, and algorithm analysis.

CSCI 103 - Computer Programming in Java (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: CSCI 101

This course includes a detail coverage of the Java programming language, including Java data types, operators and expressions, control structures, iteration, functions, arrays, classes and inheritance, files, graphical user interface (GUI) applications with event handling, and applets for world wide web applications.

CONTEMPORARY HEALTH

CH 101 - Personal and Community Health Issues (CSU, UC*)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to provide a critical analysis of factors, which affect personal and community health. Primary emphasis is placed upon self-empowerment and disease prevention in a culturally diverse community. General topics include infectious and non-infectious diseases; physical fitness, weight management, and nutrition; human reproduction and sexuality; stress management and mental health; drug use and abuse; and environmental health.

Note: This course satisfies Section A, Area 5 of the associate degrees' requirements.

**Note: The maximum UC credit allowed for students completing CH 101 and CH 105 is one course.*

CH 105 - Contemporary Women's Health (CSU, UC*)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to investigate the many sociological, psychological, and physiological aspects related to women's health. Topics include the life challenges women face, such as body image, abuse, nutrition and exercise, sexual and reproductive health, consumerism, and mental health.

**Note: The maximum UC credit allowed for students completing CH 105 and CH 101 is one course.*

COSMETOLOGY

COSM 95 - Cooperative Work Experience Education (CSU)

Units: 1-3 **Lecture Hours:** 0 **Lab Hours:** 60-225 hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major.

Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Cosmetology field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations.

Note: Transfer limitations apply.

Note: The total units earned for Cooperative Work Experience Education may not exceed 16 units.

COSM 99 - Independent Study (CSU)

Units: 1-3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in Cosmetology with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Cosmetology not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Cosmetology projects (54 hours per unit).

Note: Transfer limitations apply.

COSM 101 - Introduction to Cosmetology Procedures (CSU)

Units: 16 **Lecture Hours:** 108 **Lab Hours:** 540 **Outside Hours:** 216
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the study of basic principles and practical operations of cosmetology equipment, procedures, and techniques. It is designed as an intensive, multidisciplinary lab in the most common cosmetology processes. Lectures cover the fundamental theories of the practice of cosmetology and their application. Laboratory work is designed to provide the basic cosmetology student with an intensive forum for development of basic cosmetology skills, techniques, safety practices, and sanitation procedures.

Note: COSM 104 and 105 can be substituted for COSM 101.

COSM 104 - Introduction to Cosmetology I (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is the first of a two-course introductory series covering cosmetology procedures and equipment for wet and thermal styling, permanent waving, chemical straightening, hair coloring, scalp treatments, manicuring and pedicuring procedures. This is a preparatory course for the State Board of Cosmetology examination and employment.

Note: Students who have earned credit in COSM 101 cannot receive unit credit for COSM 104. Note: First time students must purchase the complete kit of supplies from the Compton College Bookstore.

COSM 105 - Introduction to Cosmetology II (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM 104 with a minimum grade of C

This is the second of a two-course introductory series covering cosmetology procedures for wet and thermal styling, permanent waving, chemical straightening, hair coloring, scalp treatments, facials, manicuring and pedicuring. This course is one of a sequence of courses that prepares students for the State Board of Cosmetology examination and employment.

Note: Students who have earned credit in COSM 101 cannot receive unit credit in COSM 105.

COSM 110 - Intermediate Cosmetology (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM 101, or COSM 104 and COSM 105 with a minimum grade of C

The intermediate principles and practical operations of cosmetology equipment, procedures and techniques will be studied. The course is designed as an intensive, multi-disciplinary workshop in the most common cosmetology processes. Lectures focus on intermediate theories of the practice of cosmetology and application. The lab supports cosmetology students with skills, techniques, safety practices, and sanitation procedures according to the California State Board of Barbering and Cosmetology. Students will be introduced to performing intermediate cosmetology procedures on clients in a salon setting.

COSM 112 - Advanced Cosmetology (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM 110 with a minimum grade of C

The advanced principles and practical operations of cosmetology equipment, procedures and techniques will be studied. The course is designed as an intensive, multi-disciplinary workshop in the most common cosmetology processes. Lectures focus on advanced theories of the practice of cosmetology and application. The lab is designed to support cosmetology students with skills, techniques, safety practices and sanitation procedures according to the California State Board of Barbering and Cosmetology. Students will perform advanced cosmetology procedures on clients in a salon setting.

COSM 114 - Advanced Cosmetology and Introduction to State Board Review (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM 112 with a minimum grade of C

This course is an advanced study of cosmetology practices. Lectures focus on advanced cosmetology theories. Emphasis is placed on mastery of the necessary cosmetology concepts, principles, and skills on clients in a salon setting to pass the California State Licensing exam for Cosmetology. Students will also receive an introduction to prepare for the California State Board of Barbering and Cosmetology written and practical exams. Simulated state board exams will be administered.

COSM 116 - Advanced Preparation for State Board Review (CSU)

Units: 8 **Lecture Hours:** 54 **Lab Hours:** 270 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM 114 with a minimum grade of C

This course is designed to prepare students for the California State Board of Barbering and Cosmetology licensing exams, both the written and practical. Students will complete the remaining 1600 hours of applied skill practices. Simulated state board exams will be administered.

Note: Prior to enrolling into this course, students must have completed 1300 of the 1600 hours of applied skill practices required by the State Board of Barbering and Cosmetology.

COSM 125 - Cosmetology Applications (CSU)

Units: 4 **Lecture Hours:** 27 **Lab Hours:** 135 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM 101 or COSM 104 with a minimum grade of C

This course covers the study of intermediate principles, procedures, techniques, and practical operations of cosmetology equipment. It is designed as an intensive, multidisciplinary workshop in the most common cosmetology processes. Lectures center on the theories of the practice of cosmetology and their applications. Laboratory work is designed to provide the student with a forum for development of intermediate cosmetology skills, techniques, safety practices and sanitation procedures.

COSM 130 - Advanced Cosmetology Applications (Not Transferable)

Units: 6 **Lecture Hours:** 36 **Lab Hours:** 216 **Outside Hours:** 72 (8 week course)
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM or COSM with a minimum grade of C or completion of 399 hours from a state-approved cosmetology program

This course explores the study of advanced principles and practical operations of cosmetology equipment, procedures, and techniques. It is designed as an intensive, multi-disciplinary class which focuses on the most common cosmetology processes. Lectures center on the advanced theories of the practice of cosmetology and application. Laboratory work is designed to support the advanced cosmetology student with an intensive forum for development of advanced cosmetology skills, techniques, safety practices and sanitation procedures.

COSM 140 - Cosmetology Practicum (Not Transferable)

Units: 4 **Lecture Hours:** 18 **Lab Hours:** 162 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM 101 or COSM 104 with a minimum grade of C

This course is designed for the student who is in need of receiving hours toward their State Board of Cosmetology requirement. The focus of this class is on the advanced principles and practical operations of cosmetology equipment, procedures, and techniques.

COSM 160 - Cosmetology Client Lab (Not Transferable)

Units: 2 **Lecture Hours:** 0 **Lab Hours:** 108 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: COSM 112 with a minimum grade of C

In a salon setting, students will work on clients. This lab course is designed for students to receive the necessary hours of applied skill practices toward their State Board of Cosmetology requirement.

DANCE**DANC 101 - Dance Appreciation (CSU, UC)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of styles, artists, and cultural/historical context for dance as an art form and social expression. Topics of emphasis may be varied from semester to semester to reflect visiting artists, current events, and popular culture. In addition to class time, students will be required to attend selected dance events.

DANC 103 - History of Dance in the 20th Century (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: DANC 110

This course presents dance history of the 20th century. The course will focus on trends in ballet and modern dance forms as they relate to 20th century aesthetic viewpoints. Attendance at selected dance events is required.

DANC 110 - Beginning Dance (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to basic dance techniques and terminology. It includes segments on body alignment, flexibility, strength, coordination, and combinations common to ballet, jazz and modern dance. Attendance is required at selected dance events.

DANC 120A - Beginning Ballet A (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: DANC 110

This course is the first in a sequence of two levels of ballet. This course will reinforce basic barre and centerwork ballet skills and is required of all dance majors. Attendance is required at selected dance events.

DANC 120B - Beginning Ballet B (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: DANC 120A with a minimum grade of C

This course is the second of two levels of Ballet Technique I and is applicable to the dance major. Barre and center work will expand upon skills learned in the first ballet technique course. Emphasis will be on simple allegro and adagio combinations. Attendance at selected dance events is required.

DANC 130A - Beginning Modern Dance A (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: DANC 110

This course is the first in a sequence of four levels of modern dance. It focuses on the development of dance skills through modern dance movement, emphasizing combinations on the floor and standing or traveling through space. Creative expression is included through exploration of dance skills. Attendance is required at selected dance events.

DANC 130B - Beginning Modern Dance B (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: DANC 130A with a minimum grade of C

This course is the second in a sequence of four levels of modern dance. This course focuses on the continued development of dance skills through modern dance movement, emphasizing combinations on the floor and standing or traveling through space. Technique skills are reinforced through creative expression of more complex movement. Attendance is required at dance events.

Note: This course is required of all dance majors.

DANC 140 - Jazz Dance I (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: DANC 110

This course is the first in a sequence of two levels of jazz dance. This course includes work on centering, turns, timing, flexibility, and strength training. Attendance is required at selected dance events.

DANC 161 - Tap Dance I - Beginning

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces elementary techniques of tap dancing, including music theory concepts as they apply to the rhythms of tap dance. Attendance is required at selected dance events.

DANC 162 - Hip Hop Dance (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course students are introduced to various forms of Hip Hop dance. The history, vocabulary, social and theatrical codification of Hip Hop dance are also explored.

DANC 164 - World Dance (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides an overview of several specific cultural dance styles which may include African, Afro-Cuban, Mexican, Tap, Middle Eastern, or Asian dance. The study of music, art, costumes, and regional customs of the particular style is also included.

DANC 165 - African Dance (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces selected dances of Africa through the practice of steps and choreography. The music and artifacts of the dances are covered, as well as their social or religious significance in African cultures. The coordination of polyrhythmic body movements with the music is emphasized. Attendance at selected dance events is required.

DANC 168 - Latin Social Dance (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an overview of Latin social dances including salsa, cha cha, tango, rhumba, samba, mambo, and selected folk and regional dances. Areas of study include movement theory, dance vocabulary, dance courtesy, fundamentals of music as they relate to dance, and dance history. Students will be exposed to vintage dance forms as well as current trends. Attendance at selected dance events is required.

DANC 170 - Improvisation (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed for students with all levels of dance experience. The emphasis of the class is to encourage creative development rather than technical dance skills. It is highly recommended for non-dancers and beginning choreographers. Content areas include improvisational problems organized into three main areas: space, time, and movement invention. Topics progress from individual exploration to formally structured group improvisation. Attendance at selected dance events is required.

DANC 171A - Beginning Choreography A (CSU, UC)**Units:** 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: DANC 170 with a minimum grade of C or concurrent enrollment

This course is an introduction to fundamental skills and concepts of choreography with an emphasis on utilizing movement for solo and duets in creating dances. Attendance at selected dance events is required.

DANC 171B - Beginning Choreography B (CSU, UC)**Units:** 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: DANC 171A with a minimum grade of C

This course is a continuation of Choreography 171A with exploration of movement extended to small group choreography. Emphasis is on the development from solo and duet work to trio and quartets. Attendance at selected dance events is required.

DANC 183 - Dance Workshop Ensemble (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Lab Hours:** 72 to be arranged **Outside Hours:** 0**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: DANC 110, 120A, 120B, 130A, 130B, 140, 161, 162, 164, 165, 168, 170, 171A, 171B, 220A, 220B, 230A, 230B, 240, 250, or 262 with a minimum grade of C

This course is an introduction to dance performance of works in progress. Students will participate in one or more formal or informal performances as dancers. This course may be taken twice.

DANC 220A - Intermediate Ballet A (CSU, UC)**Units:** 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36**Grading Method:** Letter or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: DANC 120B with a minimum grade of C

This course is the second of two levels of ballet offered and is applicable to the dance major. Barre and centerwork will expand upon skills learned in Ballet I. Emphasis will be on complexity in allegro and adagio combinations. Students will perform variations from the classical repertoire. Attendance is required at selected dance events.

DANC 220B - Intermediate Ballet B (CSU, UC)**Units:** 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36**Grading Method:** Letter or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: DANC 220A with a minimum grade of C

This course is the last in a series of four ballet courses and is applicable to the dance major. Barre and center work will expand upon skills learned in Dance 220A. Emphasis will be on complexity in allegro and adagio combinations. Students will perform variations from the classical repertoire. Attendance is required at selected dance events.

DANC 230A - Intermediate Modern Dance A (CSU, UC)**Units:** 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36**Grading Method:** Letter or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: DANC 130B with a minimum grade of C

This modern dance course is the third in a series of four levels. This is an intermediate/advanced level class that further develops the student's ability to use the body as an instrument of expression, with emphasis on performance skills, technique related to specific modern dance styles, and dance as a concert art form. Attendance at selected dance events is required.

DANC 230B - Intermediate Modern Dance B (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: DANC 230A with a minimum grade of C

This course is the fourth in a sequence of four levels of modern dance. This course further develops the student's ability to use the body as an instrument of expression, with emphasis on advanced performance skills, technique related to specific modern dance styles, and dance as a concert art form. Attendance at selected dance events is required.

DANC 240 - Jazz Dance II (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: DANC 140 with a minimum grade of C

This is a continuation of Jazz Dance I with increased emphasis on ease of performance, projection, speed of learning and development of individual style. It will concentrate on dance terminology and techniques required for success in professional auditions. This course is highly recommended for those seeking a career in dance performance or related theatrical fields. Attendance is required at selected dance events.

DANC 250 - Pilates Mat Class (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces concepts, exercises and philosophy that was developed by Joseph H. Pilates. Emphasis is placed on mat work that features exercises for improving body alignment, strength, flexibility, muscle control, coordination, and breathing. Exercises are designed to enhance overall body conditioning using low impact techniques and dance techniques. This course will help the dancer and athlete prevent injuries. Kinesiology and Physical Education majors are advised to take this course.

DANC 262 - Commercial Dance (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: DANC 240 with a minimum grade of C
Recommended Preparation: DANC 120A

This course is designed for those attending commercial auditions on a regular basis and emphasizes movement for commercial dance work used in motion pictures, concert dance, television, industrial shows, and other commercial applications. It offers instruction in current trends in popular dance, jazz styling, and commercial audition preparation. Attendance is required at selected dance events.

DANC 287 - Concert Dance Ensemble (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 72 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None
Enrollment Limitation: Audition

Recommended Preparation: Intermediate/advanced level of technique in ballet, modern, and jazz.
This course offers students an opportunity to participate in a concert dance production in a capacity to be determined by the abilities of the individual and the demands of the choreography. This course may be taken twice.

ECONOMICS

ECON 101 - Principles of Economics: Macroeconomics (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 73 or MATH 80 with a minimum grade of C

This course introduces students to the principles that explain the operation of the national economy. Topics to be analyzed include consumption of products, exchange, aggregate output, the money supply, national income, price level, economic growth, international trade, international finance, and macroeconomics policies. Note: Economics or Business majors should consult with a counselor to determine which intermediate algebra course is appropriate for the major.

ECON 101H - Honors Principles of Economics: Macroeconomics (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH s 73 or MATH 80 with a minimum grade of C

This honors course, intended for students in the Honors Transfer Program, introduces students to the principles that explain the operation of the national economy. Topics to be analyzed include consumption of products, exchange, aggregate output, the money supply, national income, price level, economic growth, international trade, international finance, and macroeconomics policies. This course is enriched through extensive, rigorous reading, writing, and research assignments. Note: Students may take either ECON 101 or ECON 101H. Duplicate credit will not be awarded.

ECON 102 - Principles of Economics: Microeconomics Theory (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ECON 101 with a minimum grade of C

This course focuses on the fundamental laws of supply and demand. The principles that govern the operation of the market economy using microeconomic theory will be examined. In particular, emphasis will be placed on decision making by individual consumers and firms, and how the allocation of goods and resources are determined in both competitive and monopolistic markets.

ECON 105 - Fundamentals of Economics (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students are introduced to the study of how a market economy solves the problem that the scarcity of resources and goods imposes on a society. Supply and demand concepts, the effects of controls on the economy, unemployment and inflation, and the principles of international trade and finance are also discussed.

**Note: Students will not receive UC credit for ECON 105 if taken after ECON 101 or ECON 102*

EDUCATION

EDUC 101 - Introduction to the Field of Education (CSU, UC)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to help students explore a variety of careers in education and to prepare them for future studies in the field. Course topics include the qualities of effective teachers and other school professionals as well as the challenges and rewards of various careers in education. Types of credentials and credential programs, subject area coursework, state examinations, educational and technological resources, state standards, and professional portfolios will be discussed. Throughout the course, students will also conduct off-site observations.

EDUC 201 - Foundations in Education (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: EDUC 101 with a minimum grade of C

This course introduces students to concepts and issues related to teaching children with diverse backgrounds in preschool through grade twelve. Course topics include teaching as a profession and career, contemporary educational issues, California's content and performance standards, and credential requirements. Throughout the course, students will contribute materials to their portfolios and will also conduct a minimum of 45 hours of pre-approved, structured fieldwork in diverse classroom settings.

EDUCATIONAL DEVELOPMENT

EDEV 29 - Individualized Assessment of Learning (Not Transferable)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

This course is designed to provide strategies for academic success for students with special learning needs. Individual assessments of learning strengths and weaknesses will be completed, which may determine eligibility for accommodations through the Special Resource Center. In addition, this course will introduce concepts of disability management and self-advocacy in the college setting. Students will learn to identify their individual learning styles and develop their individual learning profile.

Note: Recommended referral by Special Resource Center is advised.

EDEV 33 - Specific Learning Strategies (Not Transferable)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

Students with learning challenges are taught specific techniques, learning systems and strategies which enable them to effectively acquire, integrate, store, and retrieve information to improve learning and test performance for greater college success.

Note: This course is appropriate for students with disabilities.

EDEV 35 - Reading Skills for Students with Learning Differences (Not Transferable)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 18 **Outside Hours:** 90
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

This course, designed for students who have a processing deficit in reading, will emphasize a variety of learning strategies and electronic technologies. Learners will increase their reading vocabulary, level of reading comprehension, and fluency in processing the printed word. Students will gain greater awareness of their learning preferences and how to apply them to increase their reading and learning levels. Students will construct a learning system which will facilitate their ability to read, to understand, and to critically evaluate reading material.

Note: This course is appropriate for students with disabilities.

EDEV 36 - Writing Skills for Students with Learning Differences (Not Transferable)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Recommended Preparation: Students should ideally read with fluency and comprehension skills commensurate at a sixth grade reading level

This course is designed for students with learning differences who need to improve basic writing skills. A process approach to writing is integrated with reading assignments to provide a variety of writing experiences. Students practice learning strategies related to writing and receive individualized instruction to increase writing skills and to prepare for regular English classes.

Note: This course is appropriate for students with disabilities.

EDEV 37 - Increased Learning Performance: English (Not Transferable)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Enrollment Limitation: concurrent enrollment in a Compton College English course

In this laboratory course, students will increase learning performance and study skills which relate to content of other Compton College English courses. Students will enhance their critical thinking and time management skills. Students will evaluate appropriate campus resources and assistive technologies which may promote academic success in reading and writing courses.

Note: This course is appropriate for students with disabilities.

EDEV 38 - Increased Learning Performance: Mathematics (Not Transferable)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Enrollment Limitation: concurrent enrollment in a Compton College course

In this laboratory course, students will increase learning performance and study skills which relate to the content of the Compton Mathematics course in which the student is concurrently enrolled. Students will enhance their critical thinking and time management skills. Students will evaluate appropriate campus resources and assistive technologies which promote academic success in math.

Note: This course is appropriate for students with disabilities.

EDEV 41 - Assistive Computer Technology Laboratory (Not Transferable)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Recommended Preparation: basic computer literacy skills and ability to type 5 words per minute

This computer laboratory course is designed to enhance computer skills of students with disabilities. Students will select disability specific programs and/or assistive technology suited to their particular needs and will improve their skills and competencies in personal computer usage.

EDEV 121 - Career Preparation (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 36 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: EDEV 140

This course assists students in selecting a career and developing effective job-seeking skills. Students will complete inventories for interests, personality, work values, and motivated skills and will then research various careers, including the education required. In addition, students will practice the steps needed to attain employment and will identify laws and agencies which protect the rights of the disabled in the workplace.

Note: This course is appropriate for students with disabilities. This course is occasionally taught in American Sign Language and is designed for students who are deaf or hard-of-hearing.

EDEV 140 - Assisted Computer Literacy (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 18 **Outside Hours:** 54
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: minimum typing speed of 5 words per minute

This introductory computer course is designed to instruct students with disabilities in the use of assistive computer technology appropriate to the individual's functional limitations. The student will acquire basic computer literacy skills with an emphasis on word processing in the Windows environment.

Note: This course is appropriate for students with disabilities.

ENGINEERING**ENGR 101 - Introduction to Engineering (CSU, UC)**

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an orientation to the preparation, training, practice, obligations, and ethics of the engineering profession, as well as an introduction to the various engineering disciplines. Speakers from various fields present opportunities and challenges in the engineering profession. Academic success strategies related to the study of engineering are emphasized.

ENGR 109 - Engineering Mechanics - Statics (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PHYS 150 and MATH 191 with a minimum grade of C

In this course, students will explore resultants and components of concurrent forces; moments of forces with respect to points and axes; equivalent systems of forces and moments; equilibria of particles and rigid bodies in two and three dimensions; distributed forces; centroids and centers of gravity; analysis of structures; forces in beams; friction moments and products of inertia; and energy methods.

ENGINEERING TECHNOLOGY

ETEC 110 - Principles of Engineering Technology (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students will explore technology systems and engineering processes to learn how math, science, and technology impact our society. The topics introduced include the design process, communication and documentation, engineering systems, statics, properties of materials, quality assurance, materials testing and engineering for reliability.

ETEC 110A - Principles of Engineering Technology I (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is the first of two courses in which students will explore technology systems and engineering processes to learn how math, science, and technology impact our society. The topics introduced include the design process, communication, documentation, and engineering systems.

Note: The two-course sequence Engineering Technology 110A and Engineering Technology 110B is the same as Engineering Technology 110.

ETEC 110B - Principles of Engineering Technology II (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ETEC 110A

This is the second of two courses in which students will explore technology systems and engineering processes to learn how math, science, and technology impact our society. The topics introduced include statics, properties of materials, quality assurance, materials testing and engineering for reliability.

Note: The two-course sequence ETEC 110A and ETEC110B is the same as ETEC 110.

ETEC 112 - Introduction to Engineering Design (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, student are introduced to the basics of the design process used in engineering fields and the application of computer modeling software. Emphasis is placed on the design process, geometric relationships, visualization, technical sketching, modeling, model documentation, assemblies and production processes.

ETEC 112A - Introduction to Engineering Design I (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is the first of two courses in which students are introduced to the basics of the design process used in engineering fields and the application of computer modeling software. Emphasis is placed on the design process, geometric relationships, visualization, and technical sketching.

Note: The two-course sequence ETEC112A and ETEC112B is the same as ETEC112.

ETEC 112B - Introduction to Engineering Design II (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ETEC112A

This course is the second of two courses in which students are introduced to the basics of the design process used in engineering fields and the application of computer modeling software. Emphasis is placed on, modeling, model documentation, assemblies and production processes.

Note: The two-course sequence ETEC112A and ETEC112B is the same as ETEC112.

ETEC 114 - Electronics for Engineering Technologists (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students are introduced to the application of electronics in engineering technology. The topics studied include safety, Ohm's Law, engineering notation, Direct Current (DC) circuits, capacitance, inductance, reactance, impedance, analog and digital waveforms, basic motors, number systems, logic gates, Boolean algebra, flipflops, shift registers and microprocessors. Techniques in computer simulation and electrical measurements will be stressed.

ETEC 114A - Electronics for Engineering Technologists I (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is the first of two courses in which students are introduced to the application of electronics in engineering technology. The topics studied include safety, Ohm's Law, engineering notation, direct current circuits, capacitance, inductance, reactance, and impedance. Techniques in computer simulation and electrical measurements will be stressed.

Note: The two-course sequence ETEC114A and ETEC114B is the same as ETEC114.

ETEC 114B - Electronics for Engineering Technologists II (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ETEC114A

This is the second of two courses in which students are introduced to the application of electronics in engineering technology. The topics studied include safety, analog and digital waveforms, basic motors, number systems, logic gates, Boolean algebra, flip-flops, shift registers and micro-processors. Techniques in computer simulation and electrical measurements will be stressed.

Note: the two-course sequence ETEC114A and ETEC114B is the same as ETEC114.

ETEC 115 - Aerospace Engineering (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces student to the various aspects of aerospace engineering. Through hands-on projects and problems, students will learn about aerodynamics, astronautics, space-life sciences and systems engineering.

ETEC 115A - Aerospace Engineering I (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is the first of two courses that introduces the various aspects of aerospace engineering. Through hands-on projects and problems, topics will include aerodynamics and astronautics.

Note: The two-course sequence ETEC115A and ETEC115B is the same as ETEC115.

ETEC 115B - Aerospace Engineering II (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ETEC 115A

This is the second of two courses that introduces the various aspects of aerospace engineering. Through hands-on projects and problems, topics will include astronautics, space-life sciences and systems engineering.

Note: The two-course sequence ETEC115A and ETEC 115B is the same as ETEC 115.

ETEC 116 - Computer Integrated Manufacturing (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the integration of engineering technology principles and automation in manufacturing environments. Students will create three-dimensional designs with modeling software and produce actual components of their designs on Computer Numerically Controlled (CNC) machine tools. Additional topics covered include machine tool operations, simulations, Rapid Prototyping (RP), robotics, and manufacturing systems.

ETEC 116A - Computer Integrated Manufacturing I (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is the first of two courses that cover the integration of engineering technology principles and automation in manufacturing environments. The topics covered include machine tool operations, simulations and robotics.

Note: The two-course sequence ETEC116A and ETEC116B is the same as ETEC116.

ETEC 116B - Computer Integrated Manufacturing II (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ETEC116A

This is the second of two courses that cover the integration of engineering technology principles and automation in manufacturing environments. Students will create three-dimensional designs with modeling software and produce actual components of their designs on Computer Numerically Controlled (CNC) machine tools. Additional topics covered include simulations, Rapid Prototyping (RP), and manufacturing systems.

Note: The two-course sequence ETEC116A and ETEC116B is the same as ETEC116.

ETEC 118 - Engineering Design and Development (CSU)**Units:** 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: ETEC110 or ETEC 110A and ETEC110B; or ETEC112 or ETEC 112A and ETEC 112B with a minimum grade of C

In this capstone course, students work in teams to design and construct solutions to engineering problems. Emphasis will be placed on research methods, design problem statements, continuous improvement, cost analysis, prototyping, testing methods, project construction and project presentation.

ETEC 118A - Engineering Design and Development I (CSU)**Units:** 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: ETEC110 or ETEC 110A and ETEC110B; or ETEC112 or ETEC112A and ETEC112B with a minimum grade of C

This is the first course in a two-course sequence that covers engineering design and development concepts. In this capstone course, students work in teams to design and construct solutions to engineering problems. Emphasis will be placed on research methods, design problem statements, continuous improvement, cost analysis and prototyping. Knowledge gained will be applied to a design solution of a problem assigned in the capstone project.

Note: The two-course sequence ETEC118A and ETEC118B is the same as ETEC118.

ETEC 118B - Engineering Design and Development II (CSU)**Units:** 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: ETEC118A

This is the second course in a two-course sequence that covers engineering design and development. In this capstone course, students work together in teams to design and construct solutions to engineering problems. Emphasis will be placed on testing methods, project construction, project presentation and professional peer review.

Note: The two-course sequence ETEC118A and ETEC118B is the same as ETEC118.

ENGLISH**English Placement**

Although all students have the right to enroll in English 101, the following courses are highly recommended based on high school GPA after the 11th grade within the past 10 years.

- High School GPA 2.6 or higher - English 101
- High School GPA 1.91 to 2.59 - English 101 AND English 101S, a support class
- High School GPA 1.9 or below - English RWA prior to taking English 101

ENGL RWA - Integrated Reading and Writing (Not Transferable)**Units:** 5 **Lecture Hours:** 72 **Activity Hours:** 36 **Outside Hours:** 162**Grading Method:** P/NP **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course prepares students for transfer-level reading and writing tasks. The course integrates the reading and writing processes and includes weekly one-on-one focused tutorial support. Students practice analyzing and evaluating primarily non-fiction texts as the basis for composing well-developed expository essays. Students develop skills in reading comprehension, vocabulary, essay writing, sentence structure, research techniques, and source documentation.

ENGL 60 - Prewriting Workshop (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

In this course, students will learn strategies to increase their understanding and use of prewriting and planning techniques, which are important first steps in successfully completing college writing assignments.

ENGL 61 - Test-Taking Strategies (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

In this course, students examine how testing instruments (such as true/false, multiple choice, and essay questions) are structured. Students learn techniques designed to increase success on various types of achievement tests.

ENGL 62 - Vocabulary Building for College Students (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

This course is designed to increase the student's vocabulary in reading, listening, writing, and speaking by introducing words and concepts that are essential to academic success. A systematic method for continued vocabulary development is emphasized.

ENGL 63 - Spelling Techniques (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

This course is designed to help students identify and correct common spelling errors and to provide practice using the appropriate rules of spelling necessary for college-level writing.

ENGL 64 - Memory Techniques (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

This course is designed to introduce the student to methods of memory improvement and to provide practice in the techniques and their application to individual learning situations.

ENGL 65 - Listening and Notetaking Strategies (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

This course is designed for the student who needs to improve listening for comprehension. They will learn to take organized notes, identifying main and subordinate points into meaningful categories.

ENGL 66 - Sentence Errors and Punctuation (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

This course focuses on students locating and correcting in their own writing the most common and troublesome sentence structure errors. The correct use of punctuation is reviewed and practiced.

ENGL 67 - Thinking Skills for College Courses (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72 **Grading Method:** P/NP
Credit Status: Credit, not degree applicable
Conditions of Enrollment: None

This course is designed to instruct students on how to analyze and use information, identify patterns, find the relationships in analogies, and draw logical conclusions with precision and accuracy.

ENGL 99 - Independent Study (CSU)

Units: 1 - 3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in English with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of English not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned English projects (54 hours per unit).

Note: Transfer limitations apply.

ENGL 100 - Supervised Tutoring: Writing Center Laboratory (Not Transferable)

Units: 0 **Lecture Hours:** 0 **Lab Hours:** 216 to be arranged
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: **Enrollment Limitation:** referral by instructor or counselor based on assessed academic need.

This course provides students with supervised tutorial instruction on writing text with clarity and reading text with literal and critical understanding; this may include prewriting and prereading techniques, organization of text, development of arguments, relationships between parts of text, integration of writing and reading for research, and revision/editing for clarity and correctness.

Note: This course is repeatable and open for enrollment at registration and at any time during the semester.

ENGL 101 - Reading and Composition (CSU, UC)

Units: 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: Guided self-placement and/or multiple measures.

This course is designed to strengthen the students' ability to read with understanding and discernment, to discuss assigned readings intelligently, and to write clearly. Emphasis will be placed on the ability to write an essay in which each paragraph relates to a controlling idea, has an introduction and conclusion, and contains primary and secondary support. College-level reading material will be assigned to provide the stimulus for class discussion and writing assignments, including a required research paper.

**Note: The maximum UC credit allowed for students completing English 101, Reading and Composition, is one course.*

ENGL 101H - Honors Reading and Composition (CSU, UC)

Units: 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: Guided self-placement and/or multiple measures.

This honors course, intended for students in the Honors Transfer Program, is designed to strengthen the students' ability to read with understanding and discernment, to discuss assigned readings intelligently, and to write clearly. Emphasis will be placed on the ability to write an essay in which each paragraph relates to a controlling idea, has an introduction and conclusion, and contains primary and secondary support. College-level reading material will be assigned to provide the stimulus for class discussion and writing assignments, including a required research paper. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either English 101 or English 101H. Duplicate credit will not be awarded for English 101 and English 101H.

ENGL 101S - Reading and Composition Support (Not Transferable)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: P/NP option **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: **Corequisite:** ENGL 101

This is a supplemental writing course taught in conjunction with English 101. It is designed for students who would have traditionally placed into English A and English 84 but choose to enroll in English 101. Students receive instruction in the basic elements of the college essay and receive additional support for topics covered in English 101.

ENGL 102 - Literature and Composition (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 101 or ENGL 101H with a minimum grade of C

This course is designed to stimulate an enjoyment of literature and to develop interpretive, critical, and analytical reading skills. Students will also receive extensive instruction on writing critically about short stories, full-length works (such as novellas, novels, plays, or biographies), and poems. The course will include critical analysis and research involving one or more literary genres.

ENGL 102H - Honors Literature and Composition (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 101 or ENGL 101H with a minimum grade of C

This honors course, intended for students in the Honors Transfer Program, is designed to stimulate an enjoyment of literature and to develop interpretive, critical, and analytical reading skills. Students will also receive extensive instruction on writing critically about short stories, full-length works (such as novellas, novels, plays, or biographies), and poems. This course will include critical analysis and research involving one or more literary genres. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Notes: Students may take either ENGL 102 or ENGL 102H. Duplicate credit will not be awarded for ENGL 102 and ENGL 102H.

ENGL 103 - Critical Thinking and Composition (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 101 or ENGL 101H with a minimum grade of C

This course focuses on the development of critical thinking skills. Students will apply these skills to the analysis of written arguments in various forms and genres, both classic and contemporary, and to the writing of effective persuasive essays. In class and while doing research of electronic and print media, students will learn to evaluate and interpret data, to recognize assumptions, to distinguish facts from opinions, to identify and avoid logical fallacies, to employ deductive and inductive reasoning, and to effectively assert and support argumentative claims.

ENGL 103H - Honors Critical Thinking and Composition (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 101 or ENGL 101H with a minimum grade of C

This honors course, intended for students in the Honors Transfer Program, focuses on the development of critical thinking skills. Students will apply these skills to the analysis of written arguments in various forms and genres, both classic and contemporary, and to the writing of effective persuasive essays. In class and while doing research of electronic and print media, students will learn to evaluate and interpret data, to recognize assumptions, to distinguish facts from opinions, to identify and avoid logical fallacies, to employ deductive and inductive reasoning, and to effectively assert and support argumentative claims. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either ENGL 103 or ENGL 103H. Duplicate credit will not be awarded for ENGL 103 and ENGL 103H.

ENGL 120 - Introduction to Fiction (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on reading and interpreting the short story and the novel, and analyzing the evolution, scope, and form of each genre. Students study the elements, themes, and styles of short stories and novels, as well as the contributions of individual authors to each genre.

ENGL 123 - Creative Writing: Introduction to Poetry (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the creative process of writing poetry. Students will write their own poems, both traditional and contemporary, using common poetic elements, conventions, and techniques. This course also develops student's peer editing skills, introducing them to the workshop model and revision process.

ENGL 127 - Creative Writing: Introduction to the Craft of Fiction (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introductory level creative writing course focusing on writing the short story. In addition to outlining and composing well-crafted stories, students will study the techniques of plot, characterization, point of view, conflict, and setting. Students will also learn about peer editing and the workshop model for revising stories.

ENGL 128 - Creative Writing: A Workshop in Fiction and Nonfiction (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 127 with a minimum grade of C

This course develops intermediate skills in the craft of fiction and nonfiction writing through instruction and workshop. Students discuss and apply complex strategies for establishing character, setting, conflict, dialogue, and the advancement of theme. In addition, students practice literary nonfiction storytelling techniques such as creating narrative tension through atmosphere, symbolism, and voice. Students then assess and critique their own and other students' original stories and personal narratives, furthering the development of their critical sense in writing and revising their own literary works.

ENGL 150 - Survey of British Literature I (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 101 or ENGL 101H with a minimum grade of C

This course is a survey of British literature from the Anglo-Saxon period through the 18th century. Particular attention will be given to tracing the growth of English, Irish, Scottish, and Welsh culture and identity in relation to the literature. The selections may include "Beowulf," "The Táin," and "Everyman," as well as readings from Chaucer, Julian of Norwich, Kempe, Spenser, Lanyer, Shakespeare, Cary, Donne, Milton, Cavendish, Dryden, Behn, Pope, Swift, Johnson, and Sheridan.

ENGL 152 - Survey of British Literature II (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 101 or ENGL 101H with a minimum grade of C

This course is a survey of British literature by English, Irish, Scottish, and Welsh writers that begins with the Romantic Age and continues to the present. The course includes selections from major Romantic, Victorian, Modern, and Postmodern authors, which may include Equiano, Burns, Blake, the Wordsworths, Coleridge, Byron, the Shelleys, Keats, Tennyson, the Brownings, the Brontes, Arnold, Hardy, Yeats, Conrad, Joyce, Eliot, Woolf, Lawrence, Beckett, Heaney, Pinter, and others.

ENGL 227 - Children's Literature (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the historical and cultural development of children's literature and includes critical approaches and the examination of shared themes that cross cultural and geographical boundaries. Students read both classic and contemporary works spanning cultures and time periods and reflect on the significance of a genre written specifically for children.

ENGL 228 - Images of Women in Literature (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course examines images of women in a variety of literary forms, including poetry, short stories, novels, plays, folklore, fairy tales, and nonfiction prose. Students become familiar with female archetypes, women's roles, and women's themes as presented by both male and female writers, examining traditional and revisionist approaches.

ENGL 235 - Creative Writing: Screenwriting (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course students learn the skills necessary to create original feature film screenplays. Themes, character, plot, and dialogue are discussed and developed by means of writing exercises. Script format and story structure are analyzed by reading feature film scripts and discussing produced film stories.

ENGL 238 - Survey of Film: 1950 to the Present (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on screening, analyzing and writing about film as a narrative reflective of its time and culture. Students study representative film masterpieces from 1950 to the present by viewing films or portions of films. An emphasis is placed on ideas and values portrayed in the films with regards to how they reflect the concerns of particular nationalities and time periods. Students also analyze the growth and transformation of various artistic techniques used by the filmmakers, as well as trends in major transnational filmmaking and media conglomeration.

ENGL 239 - Literature and Film (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students compare original literary works and genres with their film adaptations. Students view films based on novels and short stories and assess how cinematic and literary techniques are employed to convey meaning.

ENGL 240 - American Literature I (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys American literature from its beginnings through the Civil War. Coverage, which recognizes the contribution of women and of ethnic and other minorities to the national literature, includes the narratives of native peoples, the literature of discovery and exploration, the literature of European settlement, the literature of Pre-Revolutionary America, the literature of an emerging nation, and the literature of pre-Civil War America.

ENGL 241 - American Literature II (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys American literature from the post-Civil War period to the present, including the literature of an expanding nation, the literature of modernism, the literature of post-World War II America, and contemporary American literature. The course recognizes the contribution of women and minority writers to the national literature.

ENGL 242 - Chicano and Latinx Literature (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course will focus on the analysis and interpretation of Chicano and Latino essays, novels, short stories, dramas, and poems written in English translation. Students will explore a wide survey of classic and contemporary Chicano and Latino texts that reflect social and cultural influences, as well as examine the process of assimilation and self-identity of the Chicano and Latino as thematically represented in literature.

ENGL 243 - African American Literature (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides a chronological and thematic survey of African American literature. Students will read and discuss representative works by African American writers. Emphasis will be on classic and contemporary literature.

ENGL 244 - The Literature of American Ethnic Groups (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides a broad survey of American ethnic literatures. Students will explore and analyze representative texts by Native Americans, African Americans, Chicano and Latino Americans, Jewish Americans, Asian and Pacific Islander Americans, and Arab Americans. Emphasis will be on contemporary literature.

ENGL 248 - Modern Literature of Latin America (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of modern literature from Latin American countries. Students explore themes common to selected major writers and identify cultural, political, and stylistic patterns in their works.

ENGLISH AS A SECOND LANGUAGE**ESL 03A - Reading and Writing Level I (Not Transferable)**

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: None

This beginning Level I reading and writing course is designed to develop basic reading skills, expand vocabulary, and develop basic writing skills. Students will move from sentence-level writing to short descriptive and chronologically-ordered paragraphs.

ESL 03B - Reading and Writing Level II (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: qualification by assessment or completion of ESL03A

This Level II reading and writing course is designed to improve reading comprehension, increase vocabulary, and improve critical thinking and writing skills. Students will write descriptive, biographical, narrative, and subjective paragraphs.

ESL 03C - Reading and Writing Level III (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: qualification by assessment or completion of ESL 03B

This intermediate reading and writing course is designed to improve reading comprehension, increase vocabulary, and improve critical thinking and writing skills. Students will write paragraphs using chronological order, emphatic order, and spatial order.

ESL 03D - Reading and Writing Level IV (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: qualification by assessment or completion of ESL03C

This advanced reading and writing course is designed to provide students with strategies to improve reading comprehension and writing skills. Reading practice activities will be presented to increase vocabulary, to use context for determining meaning of texts, and to develop critical thinking skills. In writing, students will study a variety of grammatical structures and transitional expressions to help generate simple expository paragraphs.

ESL 04A - ESL for Healthcare I (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: ESL03D

Designed for intermediate ESL learners, this course helps prepare students for careers in healthcare. Students gain a general knowledge of healthcare settings, careers, and terminology including the major body systems and their basic functions.

ESL 04B - ESL for Healthcare II (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: ESL04A

This second course in a two-course sequence develops the listening, speaking, reading, and writing skills of intermediate ESL students seeking a career in the healthcare field. Emphasis is on terminology and communication skills for interacting with patients and professionals in the medical field. Topics include communication, safety, medical emergencies, first aid, and pharmacology.

ESL 05A - ESL for Childhood Educators I (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: ESL03D

This first course in a two-course sequence prepares intermediate-level ESL students for a career in childcare, with special emphasis on vocabulary and entry-level skill acquisition as well as familiarity with common phrases for interacting with English speaking children, staff, and parents. Topics include basic childcare vocabulary, communicating about children, preventing incidents, reporting incidents, and treating illnesses and minor injuries. This course prepares students for the Childhood Education credit program.

ESL 05B - ESL for Childhood Educators II (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: ESL05A

This is the second course in a two-course sequence that prepares intermediate-level ESL students for a career in childcare, with special emphasis on vocabulary and entry level skill acquisition as well as familiarity with common phrases for interacting with English speaking children, staff, and parents. Topics include infant development, toddler development, preschooler development, and school-age child development. This course prepares students for the Childhood Education credit program.

ESL 6 - ESL Support for Career and Technical Programs (Not Transferable)

Units: 0 **Lecture Hours:** 54 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: ESL03D

This course, designed for students whose primary language is not English, is intended for students currently enrolled in an entry-level vocational class. Students will receive instruction in writing, reading, speaking, vocabulary building and test taking skills designed to help them succeed in the content area course. Subsequent enrollment in an additional semester will provide the student with an opportunity for continued skills and competency development within the level and subject matter.

ESL 7 - Career Exploration (Not Transferable)

Units: 0 **Lecture Hours:** 36 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: None

If you are a student who is unsure about what next steps to take in their career, this course is for you. Take a career assessment and interest inventory to find out what career best reflects your interests and strengths. You will also participate in career preparation skills like career exploration on the internet, resume and cover letter writing, interview skills and creating your own employment portfolio. This class is not an open entry/open exit course.

ESL 8 - ESL for Medical Terminology (Not Transferable)

Units: 0 **Lecture Hours:** 54 **Lab Hours:** 0
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Recommended Preparation: ESL03D

In this high-intermediate ESL course students study key medical terms in anatomy and physiology and vocabulary for diseases, symptoms, procedures, common medical tests, and abbreviations. Emphasis is placed on word parts (prefixes, roots, and suffixes), pronunciation, and spelling. Students practice listening to and reading medical terms as well as utilizing them in writing and in speech. This course provides ESL support for students who plan to take or who concurrently take Medical Terminology I.

ESL 11 – Literacy (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit
Conditions of Enrollment: None

This foundational ESL course is for students that have no experience using the English language. We will be covering the alphabet, numbers, pronunciation, and vocabulary acquisition skills. Students will learn English language skills through diverse instructional methodologies to strengthen reading, writing, listening, and speaking skills.

ESL 12 - Level 1 (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit
Conditions of Enrollment: None

This Beginning- Low English vocabulary and basic grammar course will cover listening, speaking, reading, and writing skills on topics of personal interests, career, and life experiences.

ESL 13 - Level 2 (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit
Conditions of Enrollment: None

This Level 2 - Beginning- High conversation and grammar course provides practice in English through listening, speaking, reading, and writing activities. Students will cover a variety of grammar points and move from writing a singular paragraph to multiple paragraphs.

ESL 14- Level 3 (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit
Conditions of Enrollment: None

This Low-Intermediate English communication and grammar course includes listening, speaking, reading, and writing skills. Activities include team projects, presentations, and exams in preparation for academic and career success as well as civic participation.

ESL 15 - Level 4 (Not Transferable)

Units: 0 **Lecture Hours:** 90 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit
Conditions of Enrollment: None

This Intermediate- High course will focus on English grammar forms and structures through listening, speaking, reading, and writing activities. Students will listen to oral stories and dialogues learn conversation strategies, write main ideas and supporting details, conclusions and inferences, paragraph structure, transition words and complex sentences.

ESL 16 - Level 5 (Not Transferable)

Units: 0 **Lecture Hours:** 90
Grading Method: P/NP
Conditions of Enrollment: None

Lab Hours: 0
Credit Status: Noncredit

This Level 5- Low Advanced English communication and study skills course gives students skills to transition into college-level, Career and Technical education (CTE) courses or Vocational ESL (VESL) courses. Activities include teamwork, projects, presentations, and exams to ensure academic and career success, civic participation, and strategies for lifelong learning.

ESL 17 - Level 6 (Not Transferable)

Units: 0 **Lecture Hours:** 90
Grading Method: P/NP
Conditions of Enrollment: None

Lab Hours: 0
Credit Status: Noncredit

This Advanced English communication and study skills course gives students skills to transition into college-level and career and technical education (CTE)/ Vocational ESL (VESL) courses. Activities include teamwork, projects, presentations, and exams to ensure academic and career success, civic participation, and strategies for lifelong learning.

ESL 20 - Reading and Writing for College and Career Preparation (Not Transferable)

Units: 0 **Lecture Hours:** 72 **Lab Hours:** 0
Grading Method: P/NP **Credit Status:** Noncredit
Conditions of Enrollment: None

This course is for students interested in preparing for a successful transition to apprenticeships, college, and career courses.

ESL 51A - Introduction to English in Conversation (Not Transferable)

Units: 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162
Grading Method: Letter **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Recommended Preparation: qualification by assessment

This introductory course is designed to increase a student's English-speaking and comprehension skills in a supportive atmosphere. The course includes cross-cultural communication topics, role play and other small group activities, introduction to common American idioms and expressions, pronunciation exercises designed to improve intelligibility, and listening comprehension practice.

ESL 51B - Intermediate Listening, Speaking and Pronunciation (Not Transferable)

Units: 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ESL51A with a minimum grade of C or qualification by assessment

Students in this course gain greater confidence and skill in listening to and speaking English by participating in activities such as listening to mini-lectures and taking notes; presenting impromptu speeches, prepared speeches, and oral reports; conducting surveys and interviews; role playing; and discussing and debating controversial topics. Students improve their pronunciation, intonation and stress, listening comprehension, and knowledge of American culture.

ESL 51C - Advanced Listening, Speaking, and Pronunciation (Not Transferable)

Units: 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ESL51B with a minimum grade of C or qualification by assessment

This course provides instruction in listening and speaking, emphasizing oral communication, pronunciation, and idiomatic expressions in a multi-cultural academic setting. Students practice listening to and taking notes on lectures from across the curriculum such as history, business, and science, and other listening material. Students present research-based speeches and participate in group discussions and panel presentations.

ESL 52A - Introduction to Reading and Vocabulary Building (Not Transferable)

Units: 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162
Grading Method: Letter **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Recommended Preparation: qualification by assessment

This is an introductory course designed to transfer literacy in the first language to English by building basic reading skills and expanding vocabulary. Through the use of reading texts, reading kits, main idea exercises, and skimming and scanning activities, the foundation skills are developed through regular application. The aim of the course is to identify and reinforce good reading habits and to free students from over-dependence on dictionaries, with a focus on context as the key to meaning.

ESL 52B - Intermediate Reading and Vocabulary Building (Not Transferable)

Units: 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ESL52A with a minimum grade of C or qualification by assessment

This is an intermediate level course designed to teach appropriate reading skills, such as the ability to make inferences, draw conclusions, understand the meaning of vocabulary words in context through word analysis and contextual clues, and determine the main idea from a passage. Students read from a variety of sources, including newspapers, essays, short stories, and novels. Students also increase their academic vocabulary through vocabulary building activities.

ESL 52C - Advanced Reading (Not Transferable)

Units: 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ESL52B with a minimum grade of C or qualification by assessment

This advanced-level reading course teaches interpretive, critical, and analytical reading skills for closer reading and better understanding of fiction and nonfiction works. It includes an in-depth study of a novel, and the terminology necessary to discuss and write critically about works of various genres. Students also increase their vocabulary through vocabulary building activities.

ESL 53A - Elementary Writing and Grammar (Not Transferable)

Units: 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162
Grading Method: Letter **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Recommended Preparation: qualification by assessment

This beginning level academic composition course offers students an intensive writing experience. Students will write well-organized and coherent paragraphs, transitioning to multi-paragraph essays. Students will identify and address grammar problems in their writing.

ESL 53B - Intermediate Writing and Grammar (CSU, UC*)

Units: 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ESL53A with a minimum grade of C or qualification by assessment

This course offers students intensive experience in preparing to write college-level essays. Students will learn to write well-organized, coherent expository essays, including critical reactions to reading. They will review basic rhetorical modes such as summary, narration, description and process, and will be introduced to the rhetorical modes of comparison-contrast and argumentation. Simple, progressive and present perfect verbs, and other basic grammar rules will be reviewed, and passive voice, conditionals, past perfect, perfect modals, and other intermediate grammar topics will be introduced.

Note: UC Limitation- any or all of these courses combined: maximum credit, 8 units

ESL 53C - Advanced Essay Writing and Grammar (CSU, UC*)**Units:** 4 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 162**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Recommended Preparation: ESL 52B. Prerequisite: ESL 53B with a minimum grade of C or qualification by assessment

This course strengthens college-level writing skills in preparation for English 101 for students learning English as a second language. Students read articles, essays, poetry, and works of fiction or non-fiction. They write well-developed essays in response to their reading. Students review basic grammar and develop advanced grammar and sentence skills. Students are introduced to and use Modern Language Association (MLA) style and research skills to write a short research-based essay.

Note: UC limitations-any or all of these courses combined: maximum credit, 8 units

ETHNIC STUDIES**ESTU 101 - Introduction to Ethnic Studies (CSU, UC)****Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course provides an interdisciplinary introduction to the historical, political, sociological, economic, and cultural experiences of African American, Native American, Asian American and Latino/Latina Americans in the United States. Various theories and perspectives in the field of Ethnic Studies will be applied to better comprehend the effects of institutional racism, socio-economic and political discrimination on American ethnic and racial groups. Intersections of race and ethnicity as well as the importance of agency and self-determination social and racial justice will also be explored in the context of the past and present realities of these groups in addressing social inequities in the United States.

ESTU 103 - The Chicano in Contemporary United States Society (CSU, UC)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course introduces the student to the complexity and diversity of contemporary Chicano society in the United States. The impact of American values on the socialization of Mexican Americans will be assessed with particular emphasis on political, economic, social, cultural, and educational institutions.

ESTU 105 - Chicano Culture (CSU, UC)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This course is an interdisciplinary study of Chicano culture in the United States. Emphasis is placed on the historical roots and development of the cultural contributions of Chicanos to American society in the arts, literature, language, music, and other expressions of contemporary popular culture. Analysis of the central components of Chicano cultural values, norms and customs will also be assessed.

FILM/VIDEO

FILM 95 - Cooperative Work Experience Education (CSU)

Units: 2-4 **Lecture Hours:** 0 **Lab Hours:** hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major.

Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Film/Video field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations.

Note: Transfer limitations apply

Note: The total units earned for Cooperative Work Experience Education may not exceed 16 units.

FILM 110 - Film Analysis and Appreciation (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students will investigate the origins and aesthetics of cinema including the classic Hollywood narrative film and its alternatives. By analyzing representative films as unique cultural products, students will be introduced to various methods of interpreting and evaluating motion pictures within their socio-political context.

FILM 113 - Screenplay Analysis (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this introductory course, students will analyze the underlying story structure of motion pictures, short films, and television programs. Through screenings, lectures, and writing exercises, students will study the basic components of an effective, unified script that connects with its intended audience. Special attention will be paid to the classical Hollywood model of storytelling for developing scripts for both fiction and non-fiction productions.

FILM 121 - Audio Production (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to production and postproduction sound for various mediums, including motion pictures, television, and new media. Basic techniques common to these mediums will be covered, including analog and digital recording, audio editing, sound design and mixing.

FILM 122 - Production I (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course explores basic concepts and techniques of professional film/video production. Students will create films and videos using professional single-camera production methods.

FILM 124 - Production Planning (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides students with the skills needed for effectively planning production projects for various entertainment and corporate industries. Financing, script development, budgeting, scheduling, and marketing will be covered.

FILM 128 - Television Production (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a study of the production principles and procedures common to television and new media productions from conceptualization to completed project. The emphasis is on scripting, planning, directing, editing, and other skills unique to audio-visual media. Budgeting, cost analysis, legal issues, research, and other production situations will also be examined.

FILM 232 - Production II (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: FILM 122 or FILM 128 with a minimum grade of C or equivalent

This course provides the intermediate-level production student with practical, hands-on experience in film/video production, including planning, writing, shooting, and editing. Students will write and produce a variety of individual and group film/video projects.

FILM 234 - Camera and Lighting (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: FILM 122 with a minimum grade of C

This is an intermediate-level course in traditional and electronic cinematography that explores lighting design, composition, visual interpretation, and camera operation.

FILM 236 – Editing (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is an intermediate-level course that teaches picture and sound editing skills. Advanced editing concepts such as pace, rhythm, and tempo will be explored through screenings, lectures, and student-made projects. Special attention will be paid to the role of digital technologies in film/video post-production.

FIRE AND EMERGENCY TECHNOLOGY

FTEC 101 - Fire Protection Organization (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides an introduction to fire protection. Emphasis is placed on career opportunities in fire protection and related fields, and the philosophy and history of fire protection. Additional topics include fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; and introduction to fire strategy and tactics.

FTEC 102 - Fire Prevention Technology (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: FTEC 101

This course provides fundamental information regarding the history and philosophy of fire prevention; organization and operation of a fire prevention bureau; use of fire codes; identification and correction of fire hazards and the relationship of fire prevention with fire safety education and detection and suppression systems.

FTEC 103 - Fundamentals of Personal Fire Safety and Survival (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: FTEC101

This course introduces the basic principles and history related to the national firefighter life safety initiatives. Emphasis will be placed on the need for cultural and behavior change throughout emergency services. Focus is placed on assessing fire dangers and handling common fire situations.

FTEC 105 - Fire Behavior and Combustion (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: FTEC101

This course examines the theory and fundamentals of how and why fires start, spread, and are controlled, as well as an in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques.

FTEC 106 - Building Construction for Fire Protection (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: FTEC101

This course is the study of the components of building construction that relate to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating at fires. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies.

FTEC 109 - Fire Apparatus and Equipment (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: FTEC101

This course is a study of fire apparatus design and use, including mobile and fixed apparatus. It includes a review of construction specifications and performance capabilities, as well as effective deployment, utilization, and performance of equipment under emergency conditions.

FTEC 110 - Hazardous Materials (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: FTEC101 or FTEC 115

This course is a study of firefighting practices related to hazardous chemicals and their physical properties, uses in industry, and characteristics when involved in spills, fires, and accidents. It includes basic information regarding health effects and treatment, as well as fire department protocols and responsibilities.

FTEC 111 - Arson Detection and Control (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: Fire and Emergency Technology 101

This course is a study of prevention, detection, and control of arson fires. It includes arson motives, fire investigation, and lawful search, identification, collection, seizure, and preservation of evidence.

FTEC 115 - Fire Academy (Not Transferable)

Units: 15 **Lecture Hours:** 162 **Lab Hours:** 333 **Outside Hours:** 324
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisites: FTEC 101 and FTEC 105 with a minimum grade of C

Limitation on Enrollment: Possession of a National Registry Card or possession of a valid Emergency Medical Technician (EMT) license as required by the California State Fire Marshal's Office; Pass a Fire Fighter Physical Agility Test (FPAT) or Candidate Physical Agility Test (CPAT) within the last 6 months as required by the California State Fire Marshal's Office; Pass a physical examination according to the National Fire Protection Association (NFPA) Standard #1582; Pass the Compton College Fire Physical Qualification Test; and Possess a valid California driver's license.

This course is designed for the student who wishes to prepare for entry-level positions as a firefighter and work toward becoming certified as a Fire Fighter 1, as specified by the California State Fire Marshal's office.

Students participate in a 495-hour course of instruction emphasizing basic firefighting skills, such as methods of extinguishing fires, principles of ventilation, techniques of physical rescue, building construction, fire apparatus, fire equipment maintenance, and the knowledge of fire behavior.

Note: Students must apply through the Health & Public Services Division Office – AHB 110.

FTEC 120 - Fire Protection Equipment and Systems (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course addresses the design features and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers.

FTEC 144 - Emergency Medical Technician (CSU)

Units: 6.5 **Lecture Hours:** 90 **Lab Hours:** 81 **Outside Hours:** 180 **Grading Method:** Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: Prerequisite: Possession of a current Basic Life Support (BLS) for Healthcare Providers (HCP) certification or BLS for Prehospital Providers (PHP) certification. Must be issued by the American Heart Association or American Red Cross and not expired less than six months from the start date of class.

In this course, students will study through lecture, role-play, simulations, field work, and hands-on practical training, the basic skills necessary for the assessment, rescue, immediate treatment, and transport of the urgently ill or injured person. Course content emphasizes emergency scene size-up, situational awareness, identifying and correcting life-threatening conditions, utilizing appropriate rescue techniques, and developing a systematic approach for providing pre-hospital care and safe transportation.

Note: Proof of Basic Life Support (BLS) certification will be checked the first day of class for admission. Students successfully completing this course with an average grade of B or above will be eligible to take the National Registry of Emergency Medical Technicians (NREMT) written exam within two years.

Note: Students pay fees for this course for a background check. Proof of immunizations is required to complete hospital and ambulance field work and include MMR, Tdap, Varicella, and Hepatitis B. Must provide TB results (two PPD skin tests 1-3 weeks apart).

FIRST AID

FAID 101 - First Aid, Cardiopulmonary Resuscitation (CPR) and Basic Emergency Care (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108

Grading Method: Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: None

This course follows the American Red Cross Certification Program for First Aid, Basic Life Support (infant, child, adult and two person CPR), and Automated External Defibrillation (AED). The course content includes an emphasis on prevention of injuries, safety education, and skills necessary to sustain life in the event of trauma or sudden illness. Demonstration of skill proficiency and passing written exams with 80% or better will qualify student for certification in American Red Cross First Aid, Community CPR, and Professional Rescuer CPR.

Note: Certifying agencies charge an administrative fee for students who pass the exams and wish to receive certification. Obtaining certification documentation from these agencies is optional. Students may be required to obtain proof of certification for other needs or outside agency requirements. Compton College is not a certifying agency.

GEOGRAPHY

GEOG 101 - Physical Geography (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108 G

Grading Method: Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: None

This course describes and explains the physical elements of geography. The topics include maps, earth-sun relationships, elements of weather and climate, vegetation patterns, soil types, plate tectonics, volcanism, tectonic activity and related landforms, weathering and mass wasting, and the landforms created by running water, glaciers, waves, and wind.

GEOG 102 - Cultural Geography (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108

Grading Method: Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: None

This course surveys the geographic distribution and interrelationships of cultural elements such as population, agriculture, industry, cities, religion, language, customs, and territorial organization.

GEOG 105 - World Regional Geography (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the major countries and regions of the world, examining their environments, people, cities, resources, history, economies, and special problems.

GEOG 105H - Honors World Regional Geography (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, surveys the major countries and regions of the world, studying their environments, people, cities, resources, history, economies, and special assets and problems. This course is enriched through extensive research and writing assignments.

Note: Students may take either GEOG 105 or GEOG 105H. Duplicate credit will not be awarded for GEOG 105 and GEOG105H.

GEOG 106 - Physical Geography Laboratory (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: GEOG 101 with a minimum grade of C or concurrent enrollment

This course consists of laboratory exercises using the geographic grid and world time, earth-sun relationships, atmospheric processes and weather maps, climate classification, natural vegetation, and interpretation of landforms shown on topographic maps and aerial photographs.

GEOG 107 - Geography of California (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a systematic study of California's unique and diverse physical environments and associated landforms, climates, and ecological communities. The course presents an overview of human settlement patterns, economic activities, and cultural aspects, with an emphasis on physical environment-human occupancy relationships.

GEOG 109 - Weather and Climate (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108 **Grading Method:** Letter
Credit Status: Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the causes and regional distribution of the Earth's weather and climate. The content includes the atmosphere, cause of seasons, air temperature, air pressure and wind, clouds and precipitation, and storms. Use of weather instruments and weather data interpretation are also covered.

GEOLOGY

GEOL 101 - Physical Geology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides an introduction to geology, including the scientific method and the history of geology. It examines the materials, structures, and processes that compose and shape the Earth. It includes a survey of minerals, rocks, and soils; a study of plate tectonics and the forces that create volcanoes, earthquakes, and mountains; and a study of surface features due to weathering and erosion, streams, mass wasting, ground water, glaciers, wind, desert processes, and ocean waves. The course examines concepts of geologic time, relative and absolute age dating, and fossils. The course also investigates renewable and non-renewable resources as well as mining provinces that produce metals important for industry and technology.

Note: 1 unit of laboratory science credit will be granted with concurrent or subsequent enrollment in a geology laboratory course.

GEOL 102 - History of Planet Earth (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: GEOL 101

This course is a study of the history of the Earth since the time of its formation to the present day. It integrates plate tectonics into a detailed investigation of the dynamics of the Earth's geologic forces and their effect on the atmospheric, oceanic, and biologic realms. The effect of extraterrestrial events such as asteroid impacts that have shaped our habitable world are also covered.

GEOL 103 - Physical Geology Laboratory (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: GEOL 101 with a minimum grade of C or concurrent condition

This course is a laboratory study of geologic exercises and the use of topographic maps. Laboratory exercises will include identification of rocks and minerals, map exercises, structure problems, field studies and recognition of landforms created by various processes working on and in the earth.

GEOL 104 - History of Planet Earth Laboratory (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 0 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: GEOL 102 with a minimum grade of C in prerequisite or concurrent condition

This course utilizes laboratory exercises and field study to apply geologic principles in identification of minerals, igneous, metamorphic, and sedimentary rocks and fossils and their use in interpreting earth history, age relationships, and paleogeography of selected regions.

GEOL 106 - Earth Science in Education (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a broad-based introductory study of earth science for future educators and will include teaching techniques to engage students in science. The topics covered are part of the California science standards and are designed to introduce geology, oceanography, meteorology, and solar system astronomy. It includes the study of earth materials, geologic history, ocean basins and coastlines, weather and climate, pollution and earth resources, planetary geology, and the scientific method. The laboratory component includes study of rocks, maps, scientific instruments, earthquakes, and local geologic features.

Note: GEOL 106 is not designed for geology or earth science majors.

GEOL 115 - Natural Disasters (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

This course presents a study of natural hazards such as earthquakes, volcanism, hurricanes, landslides, and floods and how we can prepare for and possibly mitigate these phenomena in order to lessen their impact on society. In addition, this course will address global climate change and associated earth science processes, as well as the misuse and pollution of vital natural resources such as freshwater.

HISTORY**HIST 101 - United States History to 1877 (CSU, UC)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

This course is a chronological survey of American history from the first Americans to 1877, focusing on American social, intellectual, political, economic, and diplomatic institutions. Major topics in the course include colonization, slavery, the American Revolution, Native Americans, the Civil War and Reconstruction.

HIST 101H - Honors United States History to 1877 (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, is a chronological survey of American social, intellectual, political, economic, and diplomatic institutions. Major topics in the course include colonization, slavery, the American Revolution, Native Americans, the Civil War and Reconstruction. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either History 101 or History 101H. Duplicate credit will not be awarded.

HIST 102 - United States History from 1877 to the Present (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

This course is a chronological survey of American history from 1877 to the present, focusing on American social, intellectual, political, economic, and diplomatic institutions. Major topics include culture, ethnic and racial diversity, and the role of the United States within the context of world history.

Note: History 101 is not a prerequisite.

HIST 102H - Honors United States History from 1877 to the Present (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, is a chronological survey of American history from 1877 to the present, focusing on American social, intellectual, political, economic, and diplomatic institutions. Major topics include culture, ethnic and racial diversity, and the role of the United States with the context of world history. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either History 102 or History 102H. Duplicate credit will not be awarded.

HIST 105 - Women and American History from the Colonial Era to 1877 (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a chronological survey of the history of the United States to 1877 with special emphasis on the contributions of women to colonial society and the nation. The impact of social, political, economic, and cultural forces on women's lives will also be examined.

HIST 106 - Women and American History from 1877 to the Present (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a chronological survey of the history of the United States from 1877 to the present with special emphasis on the contributions of women to the evolving modern nation. The impact of social, political, economic, and cultural forces on women's lives will also be examined.

HIST 108 - United States History: The American Indian Experience (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the history of the United States with an emphasis on native peoples of North America. Topics include early American Indian societies, the impact of European contact, trade, and colonization as well as the impact of United States political, economic, and social policies on Native Americans. Emphasis is placed on the attempts of American Indians to protect their sovereignty and revitalize their societies.

HIST 110 - The African American in the United States to 1877 (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the history of the United States to 1877 with particular emphasis on the role of African Americans in shaping American society. The contributions of African Americans to the economic, political, social, and cultural development of the nation will be examined.

HIST 111 - The African American in the United States from 1877 to the Present (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the history of the United States from 1877 to the present with particular emphasis on the role of African Americans in shaping American society. The contributions of African Americans to American society as a whole will also be examined.

HIST 112 - History of the Chicano in the United States (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys United States history from the Chicano perspective and covers historical periods from the initial contact between European and indigenous North American societies through colonial, early national, and contemporary American historical periods. Emphasis is placed on this group's contributions to the development of the United States. Factors that have shaped the formation of Mexican American society within the context of United States history will also be analyzed.

HIST 114 - History of the Asian American in the United States (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys Asian American history in the United States from 1848 to the present, focusing on the historical interaction of diverse Asian American groups with American politics, culture, society, and the economy. Unique Asian American communities and the historical factors that have formed and shaped them will also be examined.

HIST 122 - United States Social History: Cultural Pluralism in America (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the role and contributions of ethnic groups and racial minorities to United States history. Emphasis is placed on these group's cultural interaction with the American way of life from colonial times to the present. Focus will also be given to the ways that race and ethnicity have shaped personal lives, communities, the nation, and international relations.

HIST 122H - Honors United States Social History: Cultural Pluralism in America (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, surveys the role and contributions of ethnic groups and racial minorities to United States history. Emphasis is placed on these groups' cultural interaction with the American way of life from colonial times to the present. Focus will also be given to the ways that race and ethnicity have shaped personal lives, communities, the nation, and international relations.
Note: Students may take either History 122 or History 122H. Duplicate credit will not be awarded.

HIST 128 - History of California (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the history of California with an emphasis on the geographical, political, socio-economic and cultural development of the state. The role of ethnic minorities and women from pre-European times to the present will also be discussed.

HIST 129 - History of Los Angeles (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the political, social, and economic history of Los Angeles from its earliest settlement by Native Americans to the present. Topics include environmental issues, urban development, race and ethnicity, the entertainment industry, and the media's portrayal of Los Angeles. Special emphasis is given to the expanding role of Los Angeles as a global city that is a destination for diverse immigrant populations and a center of international commerce.

HIST 140 - History of Early Civilizations (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the political, economic, social, and cultural development of World Civilizations from the origins of these complex cultures in the Neolithic era to the emergence of the West in the fifteenth century. Topics include the early civilizations of the Near East, Egypt, India, China, the Americas, Greece, and Rome.

HIST 141 - History of Modern Civilizations (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the political, economic, social, and cultural development of world civilizations from the rise of the West in the mid-fifteenth century to the present day. Topics include the European voyages of exploration and expansion, Africa and the transatlantic slave trade, Protestant and Catholic Reformations, the Islamic empires, China, and Japan in the age of global expansion, French and industrial revolutions, World War I and II, the Cold War, and globalization.

HIST 145 - History of World Religions (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the origins, essential doctrines, and historical development of the world's major religious traditions from prehistory to today and their impact on the societies in which they appear. Major religions examined include Judaism, Hinduism, Buddhism, Christianity, and Islam.

HIST 152 - History of Latin America Through Independence (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the political, economic, social, and cultural development of Latin America from the pre-European contact to the achievement of independence in the early 19th century. Topics include the Native American world before European conquest, consequences of contact between Native Americans, Europeans and Africans, the formation of the colonial order, and the move toward independence from Spanish and Portuguese colonial rule.

HIST 154 - A History of Mexico (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the political, social, cultural, and economic history of Mexico from Pre-Columbian times to the present. Discussion of major epochs of Mexican history will focus on the influence of various cultural groups in shaping modern Mexico.

HIST 175 - History of Asian Civilizations to 1600 (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on the political, economic, social, and cultural development of Asian civilizations from earliest times to 1600. Emphasis will be placed on the experiences of India, China, Japan, Korea, and Southeast Asia and their interactions. Topics include the emergence of the earliest Asian civilizations, the development of major religious and philosophical traditions, the rise of regional and imperial states, and the impact of early contacts with the West.

HIST 176 - History of Asian Civilizations from 1600 to the Present (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the political, economic, social, and cultural development of Asian civilizations from the 17th century to the present. Emphasis is placed on the experiences of India, China, Japan, and Korea and their regional and global interactions. Topics include the impact of Western imperialism on these countries, the response to Western dominance and influence, and the emergence of these societies as modern nation-states.

HIST 183 - Introduction to African History, Prehistory to 1885 (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of Africa from human evolution to the eve of colonial rule. Emphasis is given to the political, economic, and social development of the African continent. Topics include African trade relations with Europe and the world, the influences of Christianity and Islam in Africa, the Transatlantic slave trade, the African Diaspora, and early European incursions.

HIST 184 - Introduction to African History, 1885 to the Present (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course surveys the political, economic, social and cultural development of Africa from 1885 to the present. Topics include colonial conquest and African resistance to European rule, influence of the Christian missionaries and Islam in Africa, the striving for independence and the process of decolonization, and the challenges of modern state building.

HUMAN DEVELOPMENT**HDEV 101 - Orientation to College and Educational Planning (CSU)**

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letters **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides students with the information, skills, and resources necessary for successful educational experiences. Students will become aware of their responsibilities as students in a diverse college setting, develop an understanding of their individual learning styles, create realistic and obtainable educational and career goals, develop skills in managing time to achieve goals, and learn how to create a support network using college resources and services.

HDEV 105 - Career and Life Planning (CSU)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letters **Credit Status:** Credit, degree applicable

This course provides an introduction to career and life planning, including an exploration of core values, skills, personality traits, life stages and experiences. Students will develop a career and life plan by applying career planning techniques and decision-making strategies. Emphasis will be placed on awareness of psychological, sociological satisfaction, and physiological factors related to career and life.

HDEV 107 - Navigating the Transfer Process (CSU)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letters **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces students to the process of transferring to a university. Students will be provided with information necessary to evaluate educational and career goals, compare universities, and review university admissions and major preparation requirements. Emphasis will be placed on the development of educational plans, financial aid opportunities, and available programs and services at universities.

HDEV 110 - Strategies for Creating Success in College and in Life (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides an exploration of cognitive, psychological, social and physical factors influencing success in college and in life. Topics include personal responsibility, critical thinking, motivation, self-efficacy, self-awareness, lifelong learning, self-management, health and wellness, interpersonal communication in a diverse world, and educational planning.

HDEV 115 - Career Development Across the Lifespan (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course offers a comprehensive approach to career development across the lifespan. Theories of career and life development provide a framework for understanding vocational choice, work satisfaction, and career transition. Psychological and sociological factors influencing education, career and personal decision-making, career assessment tools for identifying college majors and careers, as well as the knowledge, skills and personal qualities necessary for success in a diverse workplace will be discussed. The course also reviews changing global environments, labor market trends, career research, and job search strategies.

HUMANITIES**HUMA 101 - An Introduction to the Humanities (CSU, UC)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the humanities through an historical, descriptive, interpretive, and critical study of film, drama, music, literature, painting, sculpture, and architecture.

JAPANESE**JAPA 101 - Elementary Japanese I (CSU, UC)**

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course, taught within the context of Japanese culture, introduces students to the development of skills for language acquisition in speaking, listening, reading, and writing of modern Japanese. Students also are introduced to the cultural background of the language.

Note: This course is comparable to two years of high school Japanese.

JAPA 102 - Elementary Japanese II (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: JAPA 101 with a minimum grade of C

This course, taught within the context of Japanese culture, is a continuation of the study of elementary Japanese through intensive training on listening, speaking, reading, and writing. Students improve their speaking skills and extend their study of the basic grammar and Kanji characters.

Note: The prerequisite for this course is comparable to two years of high school Japanese.

JOURNALISM

JOUR 101 - News Writing and Reporting (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides instruction in writing and reporting for the news media, from print to online journalism. Students will gain experience in learning the proper format and Associated Press style for writing news, features, and sports stories. Emphasis is placed on gathering information, covering the community, and understanding media ethics and laws.

JOUR 108 - Advanced Reporting and News Editing (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: JOUR 101 with a minimum grade of C

This course will provide students with instruction in explanatory and investigative journalism, and opinion writing, and will incorporate the study of editing principles, style, and design to conform with professional models. Problems of law and libel will be discussed. Students will also be given hands-on instruction in newspaper and digital design, including graphics and multimedia. Leadership training, social media skills, and discussion of the business of journalism will also be provided.

JOUR 112 - Mass Media and Society (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course examines the past and current influences on American society of books, newspapers, magazines, movies, radio, television, recordings, and the Internet. With a focus on critical thinking skills, students gain experience in reading and writing persuasive and argumentative essays about problems facing the mass media. Students also learn the history of the eight mass media as well as analyze and evaluate the functions, the responsibilities, the regulations, and the ethics involved in the mass media industry.

LAW

LAW 104 - Legal Environment of Business (CSU*, UC)

Units: 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the legal environment in which a business firm operates. Topics include an introduction to the American legal systems, contracts, torts, product liability, forms of business organization, trade regulation, labor law, environmental law, and international business law.

Note: There may be CSU course limitations for students completing LAW 104 and LAW 105. Check with the transfer school for transfer status of this course.

LAW 105 - Business Law (CSU*)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course explores the fundamental legal principles pertaining to business transactions with an introduction to the legal process. Topics include sources of law and ethics, contracts, torts, agency, criminal law, negotiable instruments, business organizations, and judicial and administrative processes.

Note: There may be CSU course limitations for students completing LAW 104 and LAW 105. Check with the transfer school for transfer status of this course.

LIBRARY SCIENCE

LIBR 101 - Introduction to Library Information Science (CSU, UC)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Introduction to Library Information Science acquaints students with the organization of libraries and their resources, enabling them to develop strategies for library research. Students will learn how to locate and evaluate traditional and electronic types of library materials; how to document resources; and how to prepare a bibliography. Students will also acquire proficiency in the use of informational technology in order to understand the full potential of library resources.

LIBR 110 - Library Research Using the Internet (CSU, UC)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Library Research Using the Internet will familiarize students with library research as it relates to information access, search strategy development, and search engine capabilities of the Internet. Other related topics include information competency and the evaluation, validation, and citation of Internet sources.

MACHINE TOOL TECHNOLOGY

MTT 95 - Cooperative Work Experience Education (CSU)

Units: 2-4 **Lecture Hours:** 0 **Lab Hours:** hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major.

Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Machine Tool Technology field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations.

Note: Transfer limitations apply.

Note: The total units earned for Cooperative Work Experience Education may not exceed 16 units.

MTT 99 - Independent Study (CSU)

Units: 1-3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in Machine Tool Technology with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Machine Tool Technology not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Machine Tool Technology projects (54 hours per unit).

Note: Transfer limitations apply.

MTT 101 - Introduction to Conventional and CNC Machining (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students will be introduced to the principles and operation of conventional and Computer Numerically Controlled (CNC) machine tools with an emphasis on safety, measurement, hand tools, power saws, drilling machines, lathes, and milling and grinding machines focusing on practices and setups used in industry.

MTT 103 - Conventional and CNC Turning (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MTT 101 or MTT 146 with a minimum grade of C or equivalent

In this course, students will study at an advanced level the principles and operation of conventional and Computer Numerically Controlled (CNC) machine tools with an emphasis on the set up and operation of lathes. Topics will include safety, turning, drilling, boring, threading, cutting tools, CNC programming practices, and setups as applied in industry.

MTT 105 - Conventional and CNC Milling (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MTT 101 or MTT 146 with a minimum grade of C or equivalent

In this course, students will study at an advanced level the principles and operation of conventional and Computer Numerically Controlled (CNC) machine tools with an emphasis on the setup and operation of milling machines. Topics will include safety, drilling, milling, tapping, tooling, CNC programming practices, and setups as applied in industry.

MTT 107 - Advanced Manufacturing Processes (CSU)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MTT 101 or MTT 146 with a minimum grade of C or equivalent

In this course, students will study the principles and operation of machine tools with an emphasis on advanced manufacturing processes and machines, such as Electrical Discharge Machines (EDM), water abrasive jet machines, and grinding machines. Additional topics will include abrasives, coordinate measuring machines, advanced precision measurement, Geometric Dimensioning and Tolerancing (GD&T), optical comparators, and practices and setups as applied in industry.

MTT 110 - Introduction to CAD/CAM (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the study of the fundamental concepts of Computer Aided Manufacturing (CAM). Concepts explored will include the application of computers in manufacturing, Computer Aided Design (CAD), Computer Numerical Control (CNC) programming, Automated Manufacturing, and Integrated CAD/CAM.

MTT 112 - Computer Numerical Control Programming (CSU)

Units: 3 **Lecture Hours:** 45 **Lab Hours:** 27 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MTT 110 or equivalent; MTT 140 or equivalent; and MTT 146 or MTT 101 or equivalent with a minimum grade of C in prerequisite.

This course covers the study of Computer Numerical Control (CNC) programming with emphasis on contouring, canned cycles, cutter diameter compensation, looping, macro subroutines and multiple part programming for three axis milling machines and CNC lathes.

MTT 115 - Numerical Control Graphics Programming (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MTT 110, MTT 140, MTT 101 or equivalent

This basic course covers Computer Aided Manufacturing (CAM), emphasizing interactive graphics programming for Numerical Control (NC) machines. Concepts studied will include interactive geometry construction, tool motion, machine functions, repetitive programming, graphic output, and graphic editing. Programs will be compiled using interactive graphics computer systems.

MTT 118 - 3D Numerical Control Graphics Programming (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MTT 115

This course covers Computer Aided Manufacturing (CAM), emphasizing interactive graphics programming for Numerical Control (NC) machines. Students will utilize various techniques of creating geometry on multiple work planes, three dimensional (3D) surface toolpath creation and manipulation, implementing 4th and 5th axis machining, generating surface to surface intersections, creating blends between surfaces, creating roughing operations for 3D and Computer Aided Design (CAD) data conversion for the purpose of 3D machining.

MTT 120 - Manufacturing Print Reading (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Students are introduced to engineering drawings and engineering specifications used in manufacturing industries. Representative drawings from simple production to complex assembly will be used to demonstrate concepts and for practice in interpreting the symbols and notations. Geometric Dimensioning and Tolerancing (GD&T) in accordance with American National Standards Institute (ANSI) Y-14.5 standard and the construction of simple machine parts are also discussed.

MTT 140 - Machine Shop Calculations (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MTT 120

This course covers the study of machine shop problems involving the solution of formulas related to screw threads, feeds and speeds, spur gears, simple and angular indexing. Geometric figures, angles, triangles, circles, arcs, trigonometric functions, compound angles and oblique triangles will also be introduced.

MTT 146 - Basic Machine Tool Operation (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 72 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Students are introduced to the basic principles and operation of machine tools with a focus on bench operations, drilling, engine lathes, mills, and grinding machines. Standard industry practices and tool set-ups used are emphasized. Laboratory projects and exercises related to the lectures and demonstrations will be assigned.

MTT 160 - General Metals (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the general skills of metal working: machine shop practice, welding, bench work, art metal, foundry and sheet metal, design, construction, and occupational exploration.

MTT 201 - Introduction to Aerospace Fastener Technology (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MTT 120 and MTT 140

In this course, students are introduced to fastener's standard measurement techniques, cold-heading (forging), thread-rolling, centerless grinding, turning, trimming, and interpretation of travelers (routers). Standard aerospace fastener industry practices, safety procedures, and set-ups are emphasized.

MTT 203 - Advanced Inspection of Fasteners and Measuring Instruments (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MTT 120 or MTT 140. Prerequisite: MTT 201 with a minimum grade of C.

Students are introduced to advanced fastener inspection. Standard measurement techniques with focus on microscopes, thread pitch gauges, Go and No-Go gauges, micrometers, indicators, calipers, gauge-blocks, plug gauges, comparator, and interpretation of travelers. Standard aerospace fastener industry practices are emphasized.

MANUFACTURING TECHNOLOGY**MTEC 99 - Independent Study (CSU)**

Units: 1 -3 Min **Lecture Hours:** 54 Max **Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions for Enrollment: None
Enrollment Limitation: two courses in Manufacturing Technology with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Manufacturing Technology not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Manufacturing Technology projects (54 hours per unit).

Note: Transfer limitations apply.

MTEC 170 - Basic Robotics (CSU)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Students will explore the technologies used to fabricate model robotics systems. Additional topics covered include basic electronics theory, electro-mechanical assembly, motors and micro-controller operation, basic programming, and careers in technology. Students will construct and test prototype robots. Project building and problem solving will be emphasized.

MTEC 175 - Integrated Robotic and Automated Technologies (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MTEC 170

This course covers robotic and automation applications with emphasis on imbedded electronics, micro-controller programming, motors, and drive trains. Additional topics covered include electronics theory, electro-mechanical fabrication, sensors, manufacturing materials and processes and career fields in which robotic applications are used. Students will construct, program, and test a vehicular or process robot.

Note: This course is the same as the two-course sequence MTEC 175A and MTEC 175B.

MTEC 175A - Integrated Robotic and Automated Technologies I (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MTEC 170

This is the first course in a two-course sequence that covers robotic and automation applications with emphasis on electronics theory, electromechanical fabrication, motors, and drive trains. Students will construct, program, and test a vehicular or process robot.

Note: The two-course sequence MTEC 175A and MTEC 175B is the same as MTEC 175.

MTEC 175B - Integrated Robotic and Automated Technologies II (CSU)

Units: 1.5 **Lecture Hours:** 18 **Lab Hours:** 27 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MTEC 170 and MTEC 175A

This is the second course in a two-course sequence that covers robotic and automation applications with emphasis on imbedded electronics, microcontroller programming, sensors, manufacturing materials and processes. Students will construct, program, and test a vehicular or process robot to satisfy instructor assigned goals or tasks.

Note: The two-course sequence MTEC 175A and MTEC 175B is the same as MTEC 175.

MATHEMATICS**Math Placement**

Students in non-STEM fields such as Health and Public Services; Social Sciences; Fine Arts, Communications and Humanities; and Business and Industrial Studies have the right to enroll in transfer level math however, it is highly recommended that students enroll based on high school GPA after the 11th grade and within the past 10 years. Please check with a counselor for the class most appropriate to your major.

- High School GPA 2.6 or higher - Math 110, 120, 130, 140, 150
- High School GPA 2.3 to 2.99 – Math 110, 120, 130 +13C, 140, 150 + 5C
- High School GPA less than 2.3 - Math 65, 73, 80

Students in STEM fields such as Biology, Chemistry, and Math are also eligible to enroll in transfer level math however, it is highly recommended that students enroll based on high school GPA within the past 10 years as follows. It is also recommended that students meet with a counselor to determine the class most appropriate to the major.

- High School GPA 3.0 or higher - Math 170
- High School GPA 2.6 to 3.39 - Math 170 +17C
- High School GPA less than 2.6 - Math 60, 80

MATH 7C- Intermediate Algebra Co-requisite (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None
Co-Requisite: MATH 73

A review of the core prerequisite skills, competencies, and concepts for intermediate algebra. Intended for students who are concurrently enrolled in MATH 73 at Compton College. Review topics include computational skills developed in pre-algebra, the vocabulary of algebra, and evaluation of expressions and functions. Topics covered in more depth include solving and graphing linear equations and inequalities, solving and graphing systems of equations, factoring, algebraic operations on polynomial and rational expressions, solving quadratics, and rational equations. Recommended for students with little or no recent knowledge of algebra. A scientific or graphing calculator is required.

MATH 8C- Intermediate Algebra Co-requisite (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable

Conditions of Enrollment: None
Co-Requisite: MATH 80

A review of the core prerequisite skills, competencies, and concepts for intermediate algebra. Intended for students who are concurrently enrolled in MATH 80 at Compton College. Review topics include computational skills developed in pre-algebra, the vocabulary of algebra, and evaluation of expressions and functions. Topics covered in more depth include solving and graphing linear equations and inequalities, solving and graphing systems of equations, factoring, algebraic operations on polynomial and rational expressions, solving quadratics, and rational equations. Recommended for students with little or no recent knowledge of algebra. A scientific or graphing calculator is required.

MATH 12 - Basic Arithmetic Skills (Not Transferable)

Units: 3 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: None

This introductory arithmetic course is designed to develop number and operation sense using whole numbers, fractions, decimals, and percents, as well as develop problem-solving skills. Topics include writing whole numbers and decimals in various forms, estimation, ratios, proportions, and applications. Note: Students enrolled in this course are required to participate in individual and group activities.

MATH 13C- Corequisite for College Algebra (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Prerequisite: assessment and placement by multiple measures
Co-requisite: MATH 130

A review of the core prerequisite skills, competencies, and concepts for college algebra. Intended for students who are concurrently enrolled in MATH 130, College Algebra, at Compton College. Review topics include computational skills developed in intermediate algebra. Topics covered in more depth include solving and graphing linear equations and inequalities in one and two variables, factoring, algebraic operations on polynomial and rational expressions. Exploring quadratic, rational, radical, exponential, and logarithmic functions. A scientific or graphing calculator is required for this course.

MATH 15C - Statistics Corequisite (Nontransferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading: P/NP **Credit Status:** Credit, non-degree applicable
Conditions of Enrollment: Corequisite: Mathematics 150

A review of the core prerequisite skills, competencies, and concepts needed in statistics. Intended for students who are concurrently enrolled in MATH 150, Elementary Statistics, at Compton College. Topics include concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and descriptive statistics that are needed to understand the basics of college-level statistics. Concepts are taught through the context of descriptive data analysis. Additional emphasis is placed on solving and graphing linear equations and modeling with linear functions.

MATH 17A - Math Academy: Arithmetic (Not Transferable)

Units: 0 **Lecture Hours:** 42 **Lab Hours:** 6 (6 week course)
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Prerequisite: assessment and placement by multiple measures Recommended Preparation: HDEV 101 or concurrent enrollment

This course is designed to develop student's number and operation sense working with whole numbers, fractions, decimals, and percents, as well as develop problem-solving skills. Topics include operations on whole numbers and decimals, estimations, ratios, proportions, applications, an introduction to variables, algebraic equations, and signed numbers.

Note: This course is designed for students who placed into MATH 12. This course is repeatable and open for enrollment at registration and at any time during the semester.

MATH 17C- Trigonometry Co-requisite (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Prerequisite: assessment and placement by multiple measures
Co-requisite: MATH 170

This course provides students who place in Trigonometry the opportunity to review the core prerequisite skills, and concepts from Algebra and Geometry which are needed for Trigonometry class. Review topics include solving equations, inequalities, function relationships and their graphs, properties of triangles, parallel lines, angles, and deductive reasoning.

MATH 18C- Co-requisite for Pre-Calculus (Not Transferable)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: P/NP **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Prerequisite: assessment and placement by multiple measures
Co-requisite: MATH 180

A review of the core prerequisite skills, competencies, and concepts needed in pre-calculus. Intended for majors in science, technology, engineering, and mathematics who are concurrently enrolled in MATH 180, PreCalculus, at Compton College. Topics include a review of computational skills developed in intermediate algebra, factoring, operations on rational and radical expressions, absolute value equations and inequalities, exponential and logarithmic expressions and equations, conic sections, functions including composition and inverses, an in-depth focus on quadratic functions, and a review of topics from geometry.

MATH 23 - Pre-Algebra (Not Transferable)

Units: 3 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, not degree applicable
Conditions of Enrollment: Prerequisite: Mathematics 12 with a minimum grade of C or assessment and placement by multiple measures

This course bridges the gap between arithmetic and formal algebra, developing number sense and operation sense, in order to formulate and solve algebraic equations with integers, fractions, and percents. Algebraic principles are applied to problems from a variety of fields. Other topics include proportional reasoning, spatial reasoning, informal geometry and measurement, coordinate graphing, informational graphs, and data collection and description.

MATH 27A - Math Academy: Pre-Algebra (Not Transferable)

Units: **Lecture Hours:** 42 **Lab Hours:** 6 (6 week course)
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Prerequisite: MATH 12 with a minimum grade of C Recommended Preparation: HDEV 101

This course bridges the gap between arithmetic and formal algebra, developing number sense and operation sense, in order to formulate and solve algebraic equations with integers, fractions, and percent. Algebraic principles are applied to problems from a variety of fields. Other topics include proportional reasoning, spatial reasoning, informal geometry and measurement, coordinate graphing, and informational graphs.

Note: This course is designed for students who passed MATH 12 or who placed into MATH 23. This course is repeatable and open for enrollment at registration and at any time during the semester.

MATH 37 - Basic Accelerated Mathematics (Not Transferable)

Units: 5 **Lecture Hours:** 81 **Lab Hours:** 63 **Outside Hours:** 153
Grading Method: P/NP **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This accelerated course provides students who place below the elementary algebra level the opportunity to develop numeracy skills, strengthen mathematical reasoning skills, and complete elementary algebra in a single semester. There are three levels of mathematics in this course, taught in an integrated fashion: basic arithmetic skills; fundamentals of algebra, with an emphasis on linear equations; and the remaining topics found in a typical elementary algebra course. This course has multiple exit levels, based on a student's demonstrated competencies. Students engage in student success activities, including creating an education plan with a counselor, and participation in supplemental instruction.

Note: This course is not recommended for students who place at or above the elementary algebra level.

MATH 47A - Math Academy - Elementary Algebra (Not Transferable)

Units: 0 **Lecture Hours:** 42 **Lab Hours:** 6 (6 week course)
Grading Method: Noncredit **Credit Status:** Noncredit
Conditions of Enrollment: Prerequisite: MATH 23 with a minimum grade of C or assessment and placement by multiple measures. Recommended Preparation: HDEV101

This elementary algebra course is the study of real number solutions and applications of linear equations, quadratic equations, linear inequalities, and systems of linear equations. Other topics include coordinate graphing or linear equations, factoring techniques, and simplification of rational and radical expressions.

Note: This course is designed for students who passed MATH 23. This course is repeatable and open for enrollment at registration and at any time during the semester.

MATH 60 - Elementary Geometry (Not Transferable)

Units: 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 37 with a minimum grade of C or assessment and placement by multiple measures

This is an introductory course in geometry. Topics include properties of geometric figures including circles, triangles and other polygons, congruence and similarity, and elementary logical reasoning. Formal proof is introduced and used throughout the course.

Note: This course is equivalent to one year of high school geometry.

MATH 65- Pre-Statistics (Not Transferable)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Pre-Statistics covering core concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and descriptive statistics that are needed to understand the basics of college-level statistics. Concepts are taught through the context of descriptive data analysis. The core arithmetic and algebra skills needed to understand the concepts, formulas, and graphs used in transfer-level statistics are investigated rather than the standard sequence found in the traditional algebra path. Additional emphasis is placed on solving and graphing linear equations; modeling with linear functions; solving contextualized problems; and dimensional analysis. Non-degree applicable.

MATH 67 - General Education Algebra (Not Transferable)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 23 or MATH 37 with a grade of P

Using data and real-world applications, students in this accelerated course reinforce their numeracy skills and learn the algebra and other quantitative reasoning skills needed for transfer-level general education mathematics courses.

Note: Mathematics 67 is intended for students who place at the elementary algebra level. MATH 67 is a prerequisite course only for MATH 110, 111, 115, 120, 140, and 150. Mathematics, computer science, science, engineering, and business students should not take MATH 67. These students should be directed to MATH 80.

MATH 73 - Intermediate Algebra for General Education (Not Transferable)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This intermediate algebra course is designed for students who are not considering further study in the sciences, technology, engineering, or mathematics. In the context of studying basic functions and their graphs, students strengthen and expand their algebra skills. Functions studied include linear, quadratic, polynomial, rational, and radical functions, as well as the absolute value function. Particular emphasis is placed on the operations on functions, solving equations and inequalities, as well as using functions to model real life situations. Other topics include solving systems of equations and applications.

Note: MATH 73 serves as a prerequisite course for all transfer-level mathematics course sequences, except the STEM and Business calculus sequences (MATH 130, 165, 170, 180, 190, 191, and 220).

MATH 80 - Intermediate Algebra for Science, Technology, Engineering, and Mathematics (Not Transferable)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This intermediate algebra course is designed for students who are considering further study in the sciences, technology, engineering, or mathematics. In the context of studying a large library of basic functions and their graphs, students strengthen and expand their algebra skills. The library includes linear, quadratic, polynomial, rational, radical, exponential, and logarithmic functions, as well as inverse functions and the absolute value function. Particular emphasis is placed on the operations on functions, as well as solving equations and inequalities. Other topics include solving systems of equations, operations on complex numbers, and applications.

Note: MATH 80 serves as a prerequisite course for all transfer-level mathematics course sequences, including the calculus sequence (MATH 170, 180, 190, 191 and 220).

MATH 99 - Independent Study (CSU)

Units: 1 - 3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in MATH with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Mathematics not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Mathematics projects (54 hours per unit).

Note: Transfer limitations apply.

MATH 100 - Supervised Tutoring: Mathematics (Not Transferable)

Units: 0 **Lecture Hours:** 0 **Lab Hours:** 72 hours to be arranged
Grading Method: Noncredit **Credit Status:** Noncredit

Conditions of Enrollment: None.

Enrollment Limitation: referral by instructor or counselor based on assessed academic need

This course provides students with supervised tutoring related to their assignments in all mathematics courses offered at Compton College. The tutoring addresses the application of learning skills, the use of learning resources, and the review of course content.

Note: This course is repeatable and open for enrollment at registration and at any time during the semester.

MATH 110 - Structures and Concepts in Mathematics (CSU, UC*)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: MATH 65 or MATH 73 or MATH 80 with a minimum grade of C or assessment and placement by multiple measures

As an introduction to the use of logical, quantitative, and spatial reasoning in the discipline of mathematics, students in this course examine the mathematical topics of set theory, numeration, number theory, functions, graphs, patterns, and the structure of real numbers. Students investigate the interrelationships among these topics, with an emphasis on algebraic, geometric, and kinesthetic modeling, inductive and deductive logic, and proofs using pictures. Designed for pre-service elementary school teachers, this course is appropriate for all students interested in a deeper understanding of the structure of mathematics. Methods of instruction for activity hours are provided in a lab setting.

Note: The maximum UC credit allowed for students completing MATH 110, 111, 115, and 116 is one course.

MATH 111 - Mathematics for Elementary School Teachers-Geometry, Probability & Statistics (CSU, UC*)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: MATH 60 with a minimum grade of C and MATH 65 or MATH 73 or MATH 80 with a minimum grade of C or assessment and placement by multiple measures

This course, designed for preservice elementary school teachers, will examine four content areas: Geometry (plane, solid, and coordinate geometry, congruence, similarity, and tessellations); Measurement and Estimation (length, area, and volume); Statistics (graphs, measures of central tendency); and Probability (single and multi-staged events, odds and expected values, and normal distributions).

Note: The maximum UC credit allowed for students completing MATH 110, 111, 115, and 116 is one course.

MATH 115 - Probability and Statistics for Prospective Elementary School Teachers (CSU, UC*)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 36 **Outside Hours:** 90 **Grading Method:** Letter
Credit Status: Credit, degree applicable

Conditions of Enrollment: Prerequisite: MATH 65 or MATH 73 or MATH 80 with a minimum grade of C or assessment and placement by multiple measures.

This course is designed to provide a comprehensive and in-depth exploration of the concepts in probability and statistics. Topics include creating and interpreting graphs, random variables and sampling, measures of central tendency and dispersion, analysis of experiments including hypothesis testing, design of experiments, and data gathering. In addition, basic laws of probability, logic and set theory including dependent, independent, and mutually exclusive events, odds, and expected values will be examined. Methods of instruction for activity hours are provided in a lab setting.

Note: The maximum UC credit allowed for students completing MATH 110, 111, 115, and 116 is one course.

MATH 116 - Geometry and Measurement for Prospective Elementary School Teachers (CSU, UC*)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite MATH 60 and MATH 110 with a minimum grade of C

In this course, designed for prospective elementary school teachers, students focus on the conceptual and procedural understanding of geometry and measurement. Students explore informal geometry, congruence, similarity, constructions, transformations, tessellations, and measurement involving both English and metric units in one, two, and three dimensions. The use of appropriate units in real-world geometric situations is emphasized throughout the course. Group activities, hands-on activities and use of computer software are integrated throughout the course.

Note: The maximum UC credit allowed for students completing MATH 110, 111, 115, and 116 is one course.

MATH 120 - Nature of Mathematics (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 73 or MATH 80 with a minimum grade of C or assessment and placement by multiple measures

This course surveys general ideas and concepts of mathematics, including mathematics of finance, set theory, combinatorics, probability, statistics, voting systems, logic and applications of Euclidean geometry.

Note: This course meets the CSU general education requirement for mathematics and quantitative reasoning.

MATH 130 - College Algebra (CSU, UC*)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 80 with a minimum grade of C or assessment and placement by multiple measures

In this course, students will explore polynomial, radical, rational, exponential, and logarithmic functions and their graphs, as well as sequences and series.

Note: MATH 130 and MATH 180 combined: UC maximum credit, 5 semester units.

Note: This is a preparatory course for MATH 165.

MATH 140 - Finite Mathematics for Business and Social Sciences (CSU, UC)

Units: 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 73, or MATH 80 with a minimum grade of C or assessment and placement by multiple measures

This course consists of a study of the Gauss-Jordan method, matrices, linear programming from a geometrical approach, logic, sets, combinatorics, probability, Bayes' theorem, random variables, descriptive statistics, and Markov chains.

MATH 150 - Elementary Statistics with Probability**Units:** 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisites: Mathematics 65 or MATH 73 or MATH 80 with a minimum grade of C or assessment and placement by multiple measures.

The focus of this course is the basic practice of statistics, including descriptive statistics, inferential statistics, and the role probability plays in statistical analysis. Students will calculate and interpret various descriptive statistics using graphing calculators with statistical testing capabilities and statistical software, as well as by hand. Major topics include methods of data collection and simulation; measures of central tendency, variability, and relative position; graphical summaries of data; linear regression and correlation; distributions, including normal and binomial distributions; probability theory; and inferential statistical methods. Students will choose, justify, use, and interpret the results of inferential techniques, such as confidence intervals, hypothesis tests, goodness of fit, analysis of variance, and nonparametric tests.

**Note: Students may take either MATH 150 or MATH 150H. Duplicate credit will not be awarded for MATH 150 and MATH 150H.*

**Note: The maximum UC credit allowed for students completing MATH 150 and PSYC 120 or MATH 150 and SOCI 120 is one course.*

MATH 150H - Honors Elementary Statistics with Probability (CSU, UC)**Units:** 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: MATH 67 or MATH 73 or MATH 80 with a minimum grade of C or assessment and placement by multiple measures.

This honors course, intended for students in the Honors Transfer Program, will include practice of statistics, including descriptive statistics, inferential statistics, and the role probability plays in statistical analysis. Students will calculate and interpret various descriptive statistics using graphing calculators with statistical testing capabilities or statistical software, as well as by hand. Major topics include methods of data collection and simulation; measures of central tendency, variability, and relative position; graphical summaries of data; linear regression and correlation; distributions, including normal and binomial distributions; probability theory; and inferential statistical methods. Students will choose, justify, use, and interpret the results of inferential techniques, such as confidence intervals, hypothesis tests, goodness of fit, analysis of variance, and nonparametric tests. This course emphasizes extensive, rigorous demonstrations of understanding the concepts of statistics. Students will also complete at least one project demonstrating an application or synthesis of topics covered in the course.

**Note: Students may take either MATH 150 or MATH 150H. Duplicate credit will not be awarded for MATH 150 and MATH 150H.*

**Note: The maximum UC credit allowed for students completing MATH 150 and PSYC 120 or MATH 150 and SOCI 120 is one course.*

MATH 165 - Calculus for Business and Social Sciences (CSU, UC)**Units:** 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180 **Grading Method:**Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: MATH 130 or MATH 180 with a minimum grade of C or assessment and placement by multiple measures

This course consists of an introduction to differential and integral calculus with business and social science applications to include polynomial, rational, exponential, and logarithmic functions and their graphs; multi-variable calculus to include partial differentiation, optimization, and introduction to differential equations.

Note: UC limitations apply.

MATH 170 – Trigonometry (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 60 and MATH 80 with a minimum grade of C or assessment and placement by multiple measures

This course includes a study of trigonometric functions, their inverses, identities, equations, complex numbers, graphs, and applications.

Note: One year of high school geometry is equivalent to MATH 60.

MATH 180 - Precalculus (CSU, UC*)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 170 with a minimum grade of C or assessment and placement by multiple measures

This course is a preparation for calculus. Topics of study include polynomial, rational, exponential, logarithmic, and trigonometric functions as well as their inverses. Matrices and analytic geometry are introduced, as well as sequences and series. The application of these topics is stressed to enhance conceptual understanding of the material.

** MATH 130 and MATH 180 combined: UC maximum credit, 5 semester units.*

MATH 190 - Single Variable Calculus and Analytic Geometry I (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 180 or demonstrate competencies in skills needed for calculus based on the student's grade in college algebra and trigonometry, or high school calculus. See counselor for calculus clearance.

In this course students will be introduced to topics such limits, continuity, derivatives, and antiderivatives of algebraic and transcendental functions; definite integrals of algebraic and transcendental functions with and without the fundamental theorem of calculus; linear approximations; relating features of a function's graph to its derivatives; and application problems using derivatives as well as implicit differentiation. Problem solving using computer software is also addressed.

Note: The maximum UC credit allowed for calculus is one course from either MATH 165 or MATH 160 or MATH 161 or MATH 190 or MATH 191.

MATH 191 - Single Variable Calculus and Analytic Geometry II (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 190 with a minimum grade of C

This course includes a study of methods and applications of integration, improper integrals, numerical integration, infinite sequences, infinite series and power series, parametric equations, and polar equations.

MATH 210 - Introduction to Discrete Structures (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 190 with a minimum grade of C

This course blends mathematical reasoning, combinatorial analysis, discrete structures, algorithmic thinking and modeling to study the problems that occur in computer science and mathematics. Topics covered include logic, sets, proofs, functions, relations, number theory, counting, graphs and trees.

MATH 220 - Multi-Variable Calculus (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 191 with a minimum grade of C

This course is a study of calculus in several variables including partial differentiation, tangent planes to surfaces, directional derivatives, and optimization problems. Topics include integral calculus in several variables including line, surface, and volume integrals, and the theorems of Green, Gauss (Divergence) and Stokes as generalizations of the Fundamental Theorem of Calculus; and topics in vector algebra and solid analytic geometry.

MATH 270 - Differential Equations with Linear Algebra (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MATH 220 with a minimum grade of C

This course consists of a study of first-order ordinary differential equations, systems of linear equations, matrices, determinants, vector spaces, linear transformations, linear second-order ordinary differential equations, power series solutions, numerical methods, Laplace transforms, eigenvalues, eigenvectors, and systems of linear differential equations and applications.

MEDICAL TERMINOLOGY**MEDT 101 - Medical Terminology (CSU)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides study and practical application of a medical vocabulary system according to body systems. Students review the basic construction of medical words, concentrating on word origins, root words, prefixes, and suffixes. Word structure, recognition, analysis, definition, spelling, and pronunciation are presented in the context of medical terms for organs, diseases, symptoms, diagnostic tests, and medical surgical procedures.

MICROBIOLOGY**MICR 133 - General Microbiology (CSU, UC)**

Units: 5 **Lecture Hours:** 54 **Lab Hours:** 108 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: BIOL 100 or BIOL 100H; or ANAT 130 or ANAT 132; or PHYO 131 or APHY 134; and CHEM 104 or CHEM 104H or CHEM 150 or CHEM 102 with a minimum grade of C in prerequisite

This course is a study of microbial anatomy and physiology, classification, microbes in water, air, soil, food, sewage, and medical aspects of microbiology. It also includes the study of fundamental techniques in the growth, culture, and identification of microorganisms. Laboratory experiments are performed by students to reinforce principles of microbiology discussed in lecture. This course is designed for students planning to pursue careers in the health sciences or other life sciences.

MUSIC

MUSI 96 - Cooperative Work Experience Education (CSU)

Units: 2-4 **Lecture Hours:** 0 **Lab Hours:** Hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major.

Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Music field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations. Note: The total units earned for CWEE may not exceed 16 units. Transfer limitations apply.

MUSI 101 - Music Fundamentals (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the notation and primary elements of tonal music from global cultures. It prepares students for further study in theory and musicianship and serves to enhance the study and appreciation of music for all interested students. Students will analyze music beginning with pitch and rhythm notation, the keyboard, and major scales. The course proceeds through intervals, triads, seventh chords, inversions, minor scales, cadences, modes, and non-harmonic tones. Included are terms and symbols for tempi, dynamics, and repeats. The history and social context of the above concepts will be discussed.

MUSI 102A - Beginning Sightsinging (CSU, UC)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course develops fundamental skills for reading and singing music at sight. This includes pitch and rhythm notation, key signatures, intervals, major and minor modes, and melodies. Class assignments will incorporate exercises in sightsinging, including melodic and rhythmic dictation.

MUSI 102B - Advanced Sightsinging (CSU, UC)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: MUSI 101 or MUSI 102A or MUSI 131A with a minimum grade of C
This course continues the development of essential skills for reading and singing music at sight, including ear training and singing of major and minor mode scales, intervals, chords, rhythms and melodies of increasing difficulty. Class assignments will incorporate exercises in melodic, rhythmic, and harmonic sightsinging and dictation.

MUSI 103A - Theory and Musicianship I (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 101 with a minimum grade of C or equivalent
Recommended Preparation: MUSI 102A and MUSI 131A or MUSI 285.

In this course designed for the music major, students acquire knowledge of tonal harmony and develop corresponding aural skills. Four-part voice leading principles, harmonic progression, Roman numeral analysis, musical form, and non-chord tones are emphasized. Appropriate exercises in sight-singing and dictation will accompany written work.

MUSI 103B - Theory and Musicianship II (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 103A with a minimum grade of C or equivalent
 Recommended Preparation: MUSI 102A or MUSI 102B; MUSI 131B or equivalent

This course is a continuation of Music 103A and expands the study of tonal music by enlarging the harmonic vocabulary to include diatonic seventh chords and secondary functions. Modulation types common to music of the 18th century and small forms will also be discussed. Appropriate exercises in sight-singing and dictation will accompany written work.

MUSI 105 - Commercial/Jazz Theory and Musicianship (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 101 with a minimum grade of C or equivalent
 Recommended Preparation: MUSI 103A or equivalent

In this course, students acquire knowledge of tonal harmony used in commercial music and jazz. Emphasis is placed on harmonic, rhythmic, and melodic vocabularies, chord-scale relationships, and basic keyboard applications. Students develop skills in ear training, writing transcriptions of recorded performances, composition, and music manuscript preparation.

MUSI 111 - Music Appreciation Survey (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on the major stylistic periods of Western art music from the Middle Ages until the end of the 20th Century. An emphasis will be placed on the music heard in North American and European concert halls. Examples will be presented in the context of contemporaneous social, political, and artistic movements and events. Basic musical elements, terminology, voice categories, and instruments of the orchestra will be included.

MUSI 112 - Music Cultures of World (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on the styles, techniques, performers, and historical evolution of Western and non-Western music. Emphasis is placed on African, Asian, Latin American, and Polynesian music and the relationship between the music and culture. In addition, American ethnic music and jazz will be presented.

MUSI 113 - Survey of Jazz (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses primarily on the techniques, styles, performers, and historical evolution of jazz. In addition, a survey of African and African-American predecessors of jazz will be presented.

MUSI 116 - History of Rock Music (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on the techniques, styles, composers, performers, and evolution of rock and roll from the 1950s to the present. Emphasis is placed on the roots and early development of rock music, its stylistic trends, influential artists, and the impact of technology on rock music throughout the years.

MUSI 120 - Voice Class I (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces principles and techniques of singing, musicianship, and song repertoire. Attendance at selected musical events is required.

MUSI 130 - Beginning Jazz Improvisation (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Audition at first class meeting (ability to perform music of moderate difficulty on an instrument or vocally) Recommended Preparation: MUSI 101

This course is a study of the basic techniques of jazz improvisation. Emphasis is placed on the study and application of scales, chords, patterns, and "licks" used by musicians to create improvisations on tonal, modal, and blues-based songs. Except for keyboards and drums, students must provide their own instruments for classroom performances.

MUSI 131A - Beginning Piano I (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed for the beginning piano student. It introduces music notation and its application to playing piano music and proceeds through pieces and exercises of advancing difficulty for the elementary player. Concepts and techniques of musicianship and music theory are emphasized.

MUSI 131B - Beginning Piano II (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 131A with a minimum grade of C

This course is a continuation of MUSI 131A using increasingly complex materials. Student will attend selected musical events.

MUSI 143 - Beginning Woodwind Instruments (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course for the beginning musician introduces basic skills and techniques for playing a woodwind instrument. Students select from flute, clarinet, saxophone, oboe, or bassoon. Music reading, tone production, breath control, technique, musicianship, and instrument care are emphasized. Students must provide their own instrument.

MUSI 144 - Beginning Brass Instruments (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course for the beginning musician introduces basic skills and techniques for playing a brass instrument. Students select from trumpet, French horn, trombone, euphonium, or tuba. Music reading, tone production, breath control, technique, musicianship, and instrument care are emphasized. Students must provide their own instruments.

MUSI 145 - Beginning Percussion Instruments (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course for the beginning musician introduces basic skills and techniques for playing snare drum and drum set. Music reading, drum rudiments, percussion techniques, and musicianship are emphasized. Students must provide their own sticks and practice pad.

MUSI 146 - Beginning String Instruments (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course for the beginning musician introduces basic skills and techniques for playing a string instrument. Students select from violin, viola, cello, or string bass. Music reading, tone production, technique, musicianship, and instrument care are emphasized. Students must provide their own instruments.

MUSI 147A - Beginning Guitar (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course will focus on fundamental aspects of holding, tuning, and basic performance techniques for pickstyle guitar. Students will be introduced to the fundamentals of music including reading notation and basic music theory. Students will examine melodies, strumming patterns, and chord playing through the use of both traditional and contemporary popular music repertoire.

MUSI 147B - Beginning Guitar II (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 147A with a minimum grade of C or equivalent

This course is a continuation of Beginning Guitar I. Course content includes extended chord vocabulary, continuation of music notation reading, and study of popular music repertoire.

MUSI 152 - Concert Choir (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is a non-audition ensemble designed for the study and performance of choral works of various styles. Emphasis is placed on development of the voice in relationship to choral singing and the continuous growth of musicianship appropriate to choral literature. The ensemble will perform in concert at the conclusion of each semester. This course may be repeated three (3) times.

MUSI 180 - Fundamentals of Electronic Music (CSU)

Units: 2 **Lecture Hours:** 18 **Activity Hours:** 36 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides instruction in the use of synthesizers, Musical Instrument Digital Interface (MIDI), computers, musical acoustics, sound design, and music software. Emphasis is placed on technical, compositional, multimedia technology, and performance skills utilizing digital synthesizers in conjunction with computers and music software applications.

MUSI 181A - Introduction to Electronic Music Studio (CSU)

Units: 2 **Lecture Hours:** 18 **Activity Hours:** 36 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students are introduced to audio recording, live sound reinforcement, signal processors, microphones, reference monitors, room acoustics, Musical Instrument Digital Interface (MIDI), computers, music synthesis, and software applications. Emphasis is placed on the technical and creative utilization of audio equipment in conjunction with the production of audio recordings and live sound reinforcement.

MUSI 181B - Electronic Music Studio (CSU)

Units: 2 **Lecture Hours:** 18 **Activity Hours:** 36 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 181A with a minimum grade of C

This course is a continuation of MUSI 181A. It further explores the use of audio recording processes, synthesizers, computer hardware and software, and recording equipment.

MUSI 182 - Digital Audio Recording for Commercial Music (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides instruction on the functions and operations of digital music audio recording software such as Pro Tools. Emphasis is placed on recording, editing, and mixing digital audio in both Macintosh and PC computer environments.

MUSI 183 - Keyboarding for Commercial Music (CSU)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MUSI 101

This course is designed for students who plan to use the piano keyboard as a song writing and music theory tool. Students will acquire a basic knowledge of intervals, chords, melodic voicing, and chord progressions used in the construction of commercial songs and in music arranging. Techniques in transcription and re-harmonization are also included.

MUSI 190A - Applied Music/Private Lessons (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 to be arranged **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None **Enrollment Limitation:** Audition

This course, by audition only, provides an introduction to music performance for students serious about pursuing music. Students will develop their techniques and skills in music performance through individual weekly lessons, class performances, and structured practice on campus. Attendance is required at selected musical events offered in the community.

MUSI 190B - Applied Music II (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 to be arranged **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 190A and MUSI 101 with a minimum grade of C

This course for the music major is a recital workshop, which includes an individual weekly lesson. Emphasis is placed on developing technique and musicianship through class performances and structured practice on campus. Attendance is required at selected musical events offered and in the community.

MUSI 190C - Applied Music III (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 to be arranged **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 190B and MUSI 103A with a minimum grade of C

This course for the continuing music major is a recital workshop emphasizing performance techniques and the development of intermediate level repertoire. Emphasis is placed on developing musicianship through class performances, structured practice on campus, and individual lessons. Attendance is required at selected musical events offered in the community.

MUSI 190D - Applied Music IV (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 to be arranged **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 103B and MUSI 190C and, MUSI 215A or MUSI 215B with a minimum grade of C.

This course for the continuing music major is a recital workshop emphasizing performance techniques, historical performance practices, and the development of advanced level repertoire. Students will develop musicianship through class performances, structured practice on campus, and individual lessons. Attendance is required at selected musical events offered in the community.

MUSI 203 - Theory and Musicianship III (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 103B with a minimum grade of C or equivalent
Recommended Preparation: MUSI 215A or MUSI 215B

This course is a continuation of MUSI 103B and expands the study of tonal music by enlarging the harmonic vocabulary to include the remaining chromatic chords. Small form will be reviewed as a precursor to sonata form, and students will study enharmonic modulation, modes, instrumental transposition, and orchestral score reading. Appropriate exercises in sight-singing and dictation will accompany written work.

MUSI 215A - Music History and Literature Up to 1750 (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on the major stylistic periods of music up to 1750. The evolution of Western art music from the time of ancient Greece and Rome until the end of the Baroque era will be presented in context with contemporaneous social, political, and artistic movements and events.

MUSI 215B - Music History and Literature - 1750 to Present (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on the major stylistic periods of music from 1750 to 2000. The evolution of Western art music from the end of the Baroque era until the end of the 20th Century will be presented in context with contemporaneous social, political, and artistic movements and events.

MUSI 220 - Voice Class II (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 120 with a minimum grade of C

This course continues the development of vocal technique, musicianship, style, and interpretation, with increased emphasis on repertoire development. Attendance at selected musical events is required.

MUSI 221 - Introduction to Lyric Diction for Singers (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 120

This course is designed for the study of diction and vocal production techniques as they apply specifically to the singer. Italian, Spanish, French, and German will be studied using phonetic diction, in preparation for the accurate vocal performance of these languages.

MUSI 222 - Opera Workshop (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Audition: Prepare and perform a solo selection from memory and demonstrate the ability to read music at a beginning level.

This course develops vocal, musical, and dramatic skills through the research, rehearsal, and performance of selected works and scenes from the standard operatic literature. Audition required for vocal quality and stage presence.

MUSI 231A - Intermediate Piano I (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 131B with a minimum grade of C or equivalent

This course continues the development of musical, technical, and functional skills using selected intermediate repertoire representative of the style periods. Attendance at specified musical events is required.

MUSI 231B - Intermediate Piano II (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 231A with a minimum grade of C or equivalent

This course continues the development of musical, technical, and functional skills using selected intermediate and intermediate/advanced repertoire representative of the style periods, the Baroque, Classic, Romantic and Contemporary. Attendance at specified musical events is required.

MUSI 232 - Advanced Piano (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 231B with a minimum grade of C or the equivalent

This course continues the development of musical, technical, and functional skills using selected advanced repertoire representative of the style periods, the Baroque, Classic, Romantic and Contemporary. Attendance at specified musical events is required.

MUSI 247 - Intermediate Guitar (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: MUSI 147A with a minimum grade of C or the equivalent

This course is designed to explore guitar playing with a more focused approach. This course aims to provide the student with enough tools to continue study at a more stylistically-focused level upon completion. Students will be introduced to more advanced melody reading, moveable chord and scale types, advanced rhythm and strumming patterns, songwriting techniques, and improvisation.

MUSI 258 - Vocal Jazz Ensemble (CSU)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 72 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None
Enrollment Limitation: Audition, Band/Orchestra

This course focuses on the rehearsal and performance of traditional and contemporary vocal jazz repertoire, accompanied by a small instrumental ensemble. Emphasis is placed on stylistic and historical performance practices, ensemble singing, improvisation, performance technique and musicianship. Performances include on-campus concerts, festivals and at local jazz venues. This course may be repeated three(3) times.

MUSI 259 - Music Production Workshop (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: ability to dance and act
Enrollment Limitation: Audition (students must be able to match pitch and sing a harmony part)

This course provides experience in a musical theatre production as a member of the chorus or as a soloist. Students will participate in the Kennedy Center American College Theater Festival (KCACTF) competition. This course may be repeated three (3) times.

MUSI 260 - Woodwind Ensembles (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Activity Hours:** 36 **Outside Hours:** 18
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None
Enrollment Limitation: Audition (previous band or orchestra experience or ability to perform music of moderate difficulty on a standard woodwind instrument)

These ensembles rehearse and perform literature written for combinations of woodwinds in choirs of like instruments (all flutes, or clarinets, or saxophones) and mixed instruments. The ensembles include trios, quartets, quintets, and larger ensembles, and may be combined with non-woodwind instruments to complete the instrumentation appropriate to the selected literature. Performances are held on campus and in the community. This course may be repeated three (3) times.

MUSI 261 - Brass Ensembles (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Activity Hours:** 36 **Outside Hours:** 18
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None
Enrollment Limitation: Audition (previous band or orchestra experience or ability to perform music of moderate difficulty on a standard brass instrument)

These ensembles rehearse and perform literature written for combinations of brass instruments. The ensembles include trios, quartets, quintets, and larger ensembles, and may be combined with non-brass instruments to complete the instrumentation appropriate to the selected literature. Performances are held on campus and in the community. This course may be repeated three (3) times.

MUSI 262 - Percussion Ensembles (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Activity Hours:** 36 **Outside Hours:** 18
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: previous band or orchestra experience or ability to perform music of moderate difficulty on a standard percussion instrument

These ensembles rehearse and perform literature written for combinations of melody and/or rhythm percussion instruments. The ensembles include trios, quartets, quintets and larger ensembles, and may be combined with wind or string instruments to complete the instrumentation appropriate to the selected literature. Performances are held on campus and in the community. This course may be repeated three(3) times.

MUSI 264 - String Ensembles (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Activity Hours:** 36 **Outside Hours:** 18**Grading Method:** Letter grade or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None**Enrollment Limitation:** Audition (previous band or orchestra experience or ability to perform music of moderate difficulty on a standard string instrument)

These ensembles rehearse and perform literature written for combinations of string instruments. The ensembles include trios, quartets, quintets, and larger ensembles, and may be combined with non-string instruments to complete the instrumentation appropriate to the selected literature. Performances are held on campus and in the community. This course may be repeated three (3) times.

MUSI 265 - Symphonic Band (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0**Grading Method:** Letter grade or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None**Enrollment Limitation:** Some high school band or orchestra experience or ability to perform music of moderate difficulty on a standard band instrument

This ensemble studies and performs compositions of moderate difficulty from the standard wind band repertoire. Emphasis is placed on stylistic and historical performance practices, playing techniques, and musicianship. Concerts are performed on and off campus. This course may be repeated three (3) times.

MUSI 266 - Studio Jazz Band (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0**Grading Method:** Letter grade or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None**Enrollment Limitation:** Audition

This intermediate ensemble rehearses and performs commercial big band music from the swing era. The literature includes works by composers such as Ellington, Basie, and Kenton, as well as opportunities for vocal jazz soloists. Emphasis is placed on section development, extended solos, and improvisation. Performances are held on campus and in the community. This course may be repeated three (3) times.

MUSI 267 - Concert Jazz Band (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0**Grading Method:** Letter grade or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None**Enrollment Limitation:** Audition

This advanced ensemble rehearses and performs a variety of music from the swing era to contemporary jazz written for the large standard jazz band instrumentation. Emphasis is placed on section development, improvisation, extended solos, and literature that is original and of increasing difficulty. Performances include campus concerts, as well as at local schools and in jazz festivals. This course may be repeated three (3) times.

MUSI 268 - Symphony Orchestra (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0**Grading Method:** Letter grade or P/NP option **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None**Enrollment Limitation:** Audition at first class meeting (ability to perform music of moderate difficulty on a standard orchestra instrument)

This ensemble rehearses and performs classics from the standard symphony orchestra repertoire. Emphasis is placed on stylistic and historical performance practices, playing techniques, and musicianship. Literature includes works for string and full orchestras, as well as solo and choral accompanying. Concerts are performed on and off campus. This course may be repeated three (3) times.

MUSI 269 - Guitar Ensemble (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Activity Hours:** 36 **Outside Hours:** 18**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Recommended Preparation: MUSI 147A and MUSI 147B

Guitar ensemble is designed for guitarists who read standard musical notation in addition to basic chords.

This class will include the rehearsal and performance of guitar ensemble literature from the Renaissance to the present, including music of the Baroque, Classical and Romantic eras, as well as Jazz and Rock styles. This course may be repeated four (4) times.

Note: Students must provide their own their acoustic or classical guitars.

MUSI 284 - Commercial Music Business Studies (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

In this course, students will examine the major components of the music industry. Topics will include publishing, copyrights, and recording/production contracts. Students will analyze industry trends, develop a comprehensive business plan, and explore job opportunities within the industry.

MUSI 285 - Songwriting for Commercial Music (CSU)**Units:** 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Recommended Preparation: MUSI 101

In this course students will develop and improve their ability to write songs, lyrics, and melodies through analysis and application of techniques used by professional songwriters. Students will be introduced to contemporary music technology and an overview of the music business as they pertain to songwriting.

MUSI 290 - Intermediate Applied Music/Individual Lessons (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: MUSI 190D and MUSI 203 with a minimum grade of C**Corequisite:** MUSI 215A or MUSI 215B

This course for the continuing, advanced applied music student is a recital workshop to enhance audition skills and build repertoire. Instruction includes an individual weekly lesson. The student is required to practice on-campus, to enroll and participate in a large performing ensemble at Compton College, and to attend selected musical events offered in the community. Selected students may perform in a public recital and occasional master classes.

MUSI 567 - Jazz Band for the Older Adult (Not Transferable)**Units:** 0 **Lecture Hours:** 0 **Lab Hours:** 72 **Outside Hours:** 0**Grading Method:** Noncredit **Credit Status:** Noncredit**Conditions of Enrollment:** None**Enrollment Limitation:** Audition (ability to perform music of moderate difficulty on a standard jazz instrument)

This ensemble for the older adult rehearses and performs traditional and contemporary jazz compositions. The literature includes works by composers such as Basie, Ellington, and Nestico, as well as opportunities for vocal jazz soloists. Emphasis is placed on section development, extended solos, and improvisation. Performances are combined with the Jazz Band or Big Band Jazz and are held on campus and in the community.

NURSING

NURS 103 - Nurse Assistant (Not Transferable)

Units: 5 **Lecture Hours:** 80 **Lab Hours:** 120 **Outside Hours:** 80

Grading Method: Letter **Credit Status:** Credit, not degree applicable

Conditions of Enrollment: Students are required to obtain a complete physical examination, proof of negative Tuberculosis and Measles-Mumps-Rubella (NMR) and receive a Hepatitis B vaccination prior to Orientation Day. Clear background check of no DUI, misdemeanor, or felony convictions.

This course prepares the student to function as an entry-level worker on a health care team in a long-term care facility. The focus is on preparing the student to provide direct care to the patient/resident; to promote comfort measures; and collect, record and report data to licensed personnel. Principles of critical thinking, team building, ethics, caring and cultural sensitivity are integrated throughout the course.

NURS 143 - Introduction to Nursing (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72

Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: ENGL 101 with a minimum grade of C; MATH 37 with a minimum grade of C; and PSYC 116 with a minimum grade of C or concurrent enrollment

In this introductory course students will examine the professional nurse's role and responsibilities in healthcare settings. Students will study the Nursing Program's philosophy which encompasses Maslow's and Kalish's Hierarchy of Human Needs and Watson's Theory of Human Caring. The students will apply and evaluate the impact of the nursing process when researching care of the patient with biophysical health conditions under the four domains of patient, professional nursing, health and illness and the healthcare environment. Specific emphasis will be placed on application of the nursing process, critical thinking, therapeutic communication, cultural, development, and diversity.

NURS 144 - Dosage Calculations (CSU)

Units: 2 **Lecture Hours:** 27 **Lab Hours:** 27 **Outside Hours:** 54

Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: MATH 73 with a minimum grade of C and NURS143 with a minimum grade of C or concurrent enrollment.

This course is designed to help students develop the necessary skills to calculate accurate and safe medication dosages. Advanced problem solving, application of algebraic concepts, formulas, proportional relationships, system of measurement, and measurement system conversions will be incorporated. Designated lab time will include clinical scenarios involving correct medication formulas and calculations, the selection of correct medical equipment to prepare and administer various types of medication, careful reading and interpretation of sample medication orders, and evaluation of medication labels for safe administration.

NURS 146 - Health Assessment (CSU)

Units: 2 **Lecture Hours:** 27 **Lab Hours:** 27 **Outside Hours:** 54

Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: ANAT132 and PHYO 131 or APHY 134 and APHY135; and MICR 133; and MEDT 101; and NURS 143 and NURS 144 with a minimum grade of C

Enrollment Limitation: admission to the Nursing Program

This course will help the student develop and utilize physical assessment and history-taking skills necessary to care for the biophysical needs of patients. The course focuses on the communication techniques and critical thinking skills necessary to elicit a health history. Concepts of patient, professional nursing, health and illness, and the healthcare environment will be introduced. Physical assessment skills will be developed to determine normal and abnormal findings of various body systems, including a general survey assessment.

NURS 149 - Advanced Placement in Nursing (CSU)

Units: 2.5 **Lecture Hours:** 36 **Lab Hours:** 27 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 144 and NURS 146; and MEDT 101 with a minimum grade of C
Enrollment Limitation: students must be admitted into the Nursing Program and students must have completed the Readiness Assessment Test – ATI Test of Essential Academic Skills (ATI-TEAS) with the state recommended passing score.

This course introduces the Licensed Vocational/Practical Nurses (LVN/LPN) and transfer students from accredited nursing programs to concepts of nursing as they apply to the Compton College Nursing Program. Students will become familiar with the four domains of care which include patient, professional nursing, health and illness, and the healthcare environment. Emphasis will be on the role of the nurse as it relates to professional identity and caregiving. Core competencies will include communication, safety, critical thinking, and evidence-based practice. Course discussion will focus on transition to the professional nursing role and the impact of legal and ethical boundaries on health care delivery. Students will practice and demonstrate competency in basic nursing skills.

NURS 150A - Beginning Nursing Process and Fundamental Skills I (CSU)

Units: 4 **Lecture Hours:** 45 **Lab Hours:** 81 (9-week course) **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None
Enrollment Limitation: admission to the Nursing Program

In this course, students gain the skills and knowledge necessary to provide basic nursing care to the individual and family. Concepts of basic human needs and structural variables such as age, sex, and ethnicity are studied. Select psychomotor skills such as dressing changes and medication administration are practiced in the skills and simulation labs in preparation for clinical practice.

NURS 150B - Beginning Nursing Process and Fundamental Skills II (CSU)

Units: 3.5 **Grading Method:** Letter **Lecture Hours:** 27
Lab Hours: 108 (9-week course) **Credit Status:** Credit, degree applicable
Outside Hours: 54
Conditions of Enrollment: Prerequisite: NURS 150A with a minimum grade of C

In this course, students will focus on the skills and knowledge needed to assess and care for a patient in the hospital setting. Emphasis will be placed on the nursing process, therapeutic communication, and providing basic care to the individual. Fundamental nursing skills such as medication administration will be carried out in the clinical setting. Particular emphasis will be placed on caring for the geriatric population. The nurse's ethical and legal responsibilities of patient care within the hospital setting will also be addressed.

NURS 151 - Human Development and Health (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None
Enrollment Limitation: admission to the Nursing Program

This course is designed for nursing students to explore the impact of biopsychosocial growth and development principles from conception through death. The emphasis is on analyzing the impact of these principles on health. The nurse's role in applying this knowledge throughout the life span is explored through community observations and interview. Variables that influence health such as culture, family, and individual dynamics are examined and analyzed. This course sets the groundwork for initial clinical practice.

NURS 152 - Introduction to Nursing Pharmacology (CSU)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 150A or NURS 151 with a minimum grade of C

This course is an introduction to clinical drug therapy. Major content areas include fundamental concepts of pharmacology; groups of therapeutic drugs; prototypes of drug groups; commonly prescribed individual drugs; interrelationships between body systems and drugs; and the role of the nursing process in prescribed drug therapy regimens. Legal and ethical implications will be examined.

NURS 153 - Intermediate Nursing Process I (CSU)

Units: 4.5 **Lecture Hours:** 36 **Lab Hours:** 135 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 150B, NURS 151, and NURS 152 with a minimum grade of C

This course will assist the student to meet the needs of adult patients with moderately severe disease states. Theory and utilization of the nursing process will focus on pathophysiological problems associated with the preoperative and postoperative periods. Students will examine problems associated with physical integrity, respiratory, activity-rest, ingestive, excretory, and sexuality needs.

NURS 154 - Intermediate Nursing Process and Mental Health (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 150B, NURS 151, and NURS 152 with a minimum grade of C

In this course, students will utilize the nursing process in caring for clients with varying degrees of mental health problems. Psychopharmacological therapies will be examined. Students will apply techniques of therapeutic communication, administer medications, and assume a leadership role in the clinical setting. In addition, students will utilize and maintain legal and ethical standards specific to mental health clients.

NURS 156 - Advanced Nursing Pharmacology (CSU)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 151 and NURS 152 with a minimum grade of C

This course offers an in-depth study of clinical drug therapy. The knowledge and intervention needed to maximize therapeutic effects and prevent or minimize adverse effects of drugs will be emphasized. Major content areas will include advanced pharmacological principles; major drug classifications; selected individual drugs; drug effects on body tissues; human responses to drug therapy and application of the nursing process. Anatomy, physiology, and microbiology concepts are correlated with various pathologies, emphasizing the effect(s) of drug therapy on body systems. Health teaching and legal and ethical issues are examined.

NURS 210 - Implications of Pathophysiology Concepts for Nurses (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 153 with a minimum grade of C or licensed Registered Nurse or Vocational Nurse

In this course, the student will deepen their understanding of pathophysiology and the progressive effects of disease on the human body. Common single and multi-system disorders will be used to illustrate clinical relationships between the knowledge of pathophysiology, patient assessment, diagnostics, and management of care.

NURS 220 - Nursing Fundamentals (CSU)

Units: 3.5 **Lecture Hours:** 36 **Lab Hours:** 81 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 143, NURS 144, and NURS 146; MEDT 101 with a minimum grade of C
Enrollment Limitation: students must be admitted into the Nursing Program and students must have completed the Readiness Assessment Test – ATI Test of Essential Academic Skills (ATI-TEAS) with the state recommended passing score

This course introduces students to concepts related to the four domains of care which include the patient, professional nursing, health, and illness. The course further examines the nursing process as the foundation of nursing practice and emphasizes the delivery of care based on Maslow's and Kalish's Hierarchy of Human Needs and Watson's Model of Caring. Emphasis will be placed on the concepts of infection, thermoregulation, pain, tissue integrity, gas exchange, perfusion, safety, nutrition, elimination, mobility, sleep, culture, spirituality, caregiving, and the health care system. The student will gain a conceptual understanding of principles and be able to apply them in all areas of nursing practice.

NURS 222 - Medical Surgical Nursing - Older Adult (CSU)

Units: 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 220 with a minimum grade of C

In this course, students will gain skills to assess and care for patients in the hospital setting. Emphasis will be placed on the care of the older adult population and includes critical thinking, legal and ethical issues within the nursing profession. Concepts include hormonal regulation, glucose regulation, perfusion, pain, communication, safety, functional ability, family dynamics, self-management and health promotion, intracranial regulation, cognition, interpersonal violence, ethics, health care law, sensory perception, mobility, and tissue integrity.

NURS 224 - Nursing Pharmacology (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 143, NURS 144 and NURS 146 with a minimum grade of C
Enrollment Limitation: students must be admitted to the Nursing Program

This course provides instruction from basic to advanced concepts and principles of pharmacology for nursing students. The knowledge and intervention needed to maximize therapeutic effects and prevent or minimize adverse effects of drugs will be emphasized. Major content areas will include advanced pharmacological principles, major drug classification, selected individual drugs, drug effects on body tissues, human responses to drug therapy, and the application of the nursing process. Anatomy, physiology, and microbiology concepts will be correlated with various pathologies, emphasizing the effects of drug therapy on body systems. Students will learn how to develop and present patient teaching plans. Legal and ethical issues will also be discussed.

NURS 226 - Nursing Skills Practicum I (CSU)

Units: 0.5 **Lecture Hours:** 0 **Lab Hours:** 27 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 143, NURS 144 and NURS 146 with a minimum grade of C
Enrollment Limitation: students must be admitted into the Nursing Program and students must have completed the Readiness Assessment Test – ATI Test of Essential Academic Skills (ATI-TEAS) with the state recommended passing score

In this course, students will apply theoretical concepts and practice skills to maintain and promote the four domains of care which includes the patient, professional nursing, health, illness, and the healthcare environment. Students will use the appropriate equipment and gain skill competency by practicing basic nursing skills in the skills lab. Competencies, as they relate to physical assessment, parenteral medication administration, wet-to-moist dressing change, nasogastric tube insertion, feeding and removal, and gastrostomy or jejunostomy feeding will be assessed. Emphasis will be placed on hands-on practice based on the following nursing concepts: medical and surgical asepsis, physical hygiene, vital signs, oxygenation, nutrition, body mechanics, elimination, and medication administration.

NURS 230 - Mental Health Nursing (CSU)

Units: 3.5 **Lecture Hours:** 36 **Lab Hours:** 81 **Outside Hours:** 72 **Grading Method:** Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: NURS 220, NURS 222, NURS 224, and NURS 226 with a minimum grade of C

Enrollment Limitation: students must be admitted to the Nursing Program

In this course, students will utilize the nursing process to care for clients with varying degrees of mental health problems. Psychopharmacological therapies will be examined. Students will apply techniques of therapeutic communication and assume a leadership role in the clinical setting. In addition, students will utilize and maintain legal and ethical standards specific to mental health patients.

NURS 232 - Obstetrical Patients and the Newborn (CSU)

Units: 2.5 **Lecture Hours:** 27 **Lab Hours:** 54 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: NURS 220, NURS 222, NURS 224, and NURS 226 with a minimum grade of C

Enrollment Limitation: students must be admitted to the Nursing Program

This course focuses on the theory and practical application of concepts related to obstetrical patients and the newborn. The nursing process will be utilized as the foundation of study and emphasis will be placed on the concepts of reproduction, health promotion, self-management, infection, technology & informatics, thermoregulation, perfusion, human sexuality, nutrition culture, and social/ethical aspects. The student will gain a conceptual understanding of principles in all areas specific to the obstetrical patient and the newborn.

NURS 234 - Pediatric Nursing (CSU)

Units: 2.5 **Lecture Hours:** 27 **Lab Hours:** 54 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: NURS 220, NURS 222, NURS 224, and NURS 226 with a minimum grade of C

Enrollment Limitation: students must be admitted to the Nursing Program

This course focuses on the theory and clinical application of concepts related to the nursing care of children and their families by emphasizing the holistic care of the child that include the developmental, physiological, psychosocial, cultural, and spiritual care of the child within the family unit. Health care concepts discussed in this course will include family dynamic development and functional abilities related to care of the child. Professional nursing concepts including clinical judgement, communication, ethical-legal, evidenced-based practice, health promotion, informatics, patient education, professionalism, safety, and collaboration will also be presented. The student will gain a conceptual understanding of principles and apply them in all areas specific to the pediatric patient.

NURS 238 - Nursing Skills Practicum II (CSU)

Units: 0.5 **Lecture Hours:** 0 **Lab Hours:** 27 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Prerequisite: NURS 220, NURS 222, NURS 224, and NURS 226 with a minimum grade of C

Enrollment Limitation: students must be admitted to the Nursing Program

In this course, students will develop mastery of basic care principles and complex nursing skills to include the following nursing concepts; medical and surgical asepsis, physical hygiene, vital signs, oxygenation, nutrition, body mechanics, elimination, fluid and electrolyte, acid-base balance, and medication administration. Students will utilize the appropriate equipment and gain skill competency by practicing basic nursing skills in the skills lab. The nursing skills practicum course will assess the student's competencies, as they relate to physical assessment; urinary elimination, venipuncture, infusion pump and volitrol management, and glucose regulation.

NURS 240 - Intermediate Medical-Surgical Nursing I (CSU)**Units:** 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: NURS 230, NURS 232, NURS 234, and NURS 238 with a minimum grade of C**Enrollment Limitation:** students must be admitted to the Nursing Program

In this course, students are introduced to adult patients with moderate to severe disease states. Theory and clinical practice will focus on the biophysical concepts in medical-surgical conditions. Students will examine problems associated with tissue integrity, nutrition, inflammation, perfusion, acid-base balance, fluid and electrolytes, elimination, hormonal and glucose regulation, functional ability, safety, sexuality, and self-management.

NURS 242 - Intermediate Medical-Surgical Nursing II (CSU)**Units:** 4.5 **Lecture Hours:** 36 **Lab Hours:** 135 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: NURS 230, NURS 232, NURS 234, and NURS 238 with a minimum grade of C**Enrollment Limitation:** students must be admitted to the Nursing Program

In this course, students will learn about therapeutic care for patients with moderate to severe disease states by utilizing the nursing process, biophysical and medical/surgical concepts. Emphasis will be placed on the role of nurse as patient advocate and manager of care in the clinical setting.

NURS 244 - Nursing Skills Practicum III (CSU)**Units:** 0.5 **Lecture Hours:** 0 **Lab Hours:** 27 **Outside Hours:** 0**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: NURS 230, NURS 232, NURS 234, and NURS 238 with a minimum grade of C**Enrollment Limitation:** students must be admitted to the Nursing Program

In this course, students will apply persistent hands-on practice in the skills lab. They will assimilate mastery of the basic to complex nursing skills based on following nursing concepts: medical and surgical asepsis, physical hygiene, vital signs, nutrition, body mechanics, elimination, fluid and electrolyte, acid-base balance, and medication administration. Students will use the appropriate equipment and gain skill competency by practicing basic nursing skills in a safe, supportive, and supervised environment in the on-campus skills lab. The student's competency as it relates to physical assessment, administration of blood products, venipuncture of all variation, and oxygenation will be assessed.

NURS 247 - Advanced Medical-Surgical Nursing I (CSU)**Units:** 5 **Lecture Hours:** 36 **Lab Hours:** 162 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: NURS 240, NURS 242, and NURS 244 with a minimum grade of C**Enrollment Limitation:** students must be admitted to the Nursing Program

In this course, students will explore biophysical concepts, knowledge of the critically ill patient across the life span and promoting wellness in culturally diverse populations and nursing management essential to the care of acute/chronic, critical, and emergency nursing. Clinical practice of critical care nursing will occur in a variety of settings.

NURS 248 - Advanced Medical-Surgical Nursing II Preceptorship (CSU)

Units: 2 **Lecture Hours:** 0 **Lab Hours:** 108 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 247 with a minimum grade of C
Enrollment Limitation: students must be admitted to the Nursing Program

This preceptorship course provides the nursing student, enrolled in their last semester of nursing school, an opportunity to work directly with a RN preceptor. This experience allows students to apply knowledge and skills gained throughout the nursing program. The experience assists the student in making a smooth transition from the learner role to the entry-level registered nurses' role in a realistic clinical setting. Opportunities to implement leadership and management skills as well as decision-making and priority-setting utilizing legal and ethical principles will be provided.

NURS 250 - Intermediate Nursing Process and the Family (CSU)

Units: 5.5 **Lecture Hours:** 54 **Lab Hours:** 135 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 146, NURS 153, NURS 154, , and NURS 156 with a minimum grade of C

This course focuses on the theory and clinical application of concepts related to the nursing care of families in the childbearing and childrearing stages. Using the nursing process, students will apply the Compton Nursing Program's theoretical framework to meet the basic needs of families as they move through the life stages of pregnancy, birth, and childhood. The importance of structural variables, physical assessment skills specific to maternal-child nursing, and pathological conditions that occur during childbirth, infancy, childhood, and adolescence will be emphasized.

NURS 251 - Legal and Ethical Considerations in Nursing (CSU)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 146, NURS 153, NURS 154, , and NURS 156 with a minimum grade of C

In this course students will analyze the legal responsibilities associated with the scope of nursing practice as defined by the Board of Registered Nursing. Other parameters and standards of law impacting the nursing profession will be examined. Scenarios that pose ethical dilemmas for the registered nurse will be debated using ethical theories and principles.

NURS 253 - Intermediate Nursing Process II (CSU)

Units: 4.5 **Lecture Hours:** 36 **Lab Hours:** 135 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: NURS 146, NURS 153, NURS 154, and NURS 156 with a minimum grade of C

This course will assist the student in meeting the needs of clients with complicated disease states. The synthesis and integration of multiple assessment data in order to utilize the nursing process in caring for medical-surgical clients will be emphasized. Organization and prioritizing care for multiple clients will be stressed in the delivery of total patient care. Increased skill development of nursing procedures and collaborative nursing interventions will be emphasized in the clinical setting. Topics will include pain management, hematology, immunology, infectious diseases, oncology, palliation, and neurological dysfunctions.

NUTRITION AND FOODS

NFOO 110 - Nutrition (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the basic principles of nutrition as they relate to the health and physical wellness of individuals. The topics covered include macronutrients, micronutrients, diet and health, weight management, dietary analysis, current nutrition trends, food safety, and physical fitness.

NFOO 115 - Nutrition for Infants and Young Children (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students study the nutrient needs of children from conception through puberty. Topics include nutrient sources and functions, energy balance, assessment of food intake according to current guidelines and standards, food safety and sanitation, policies and practices for childcare food programs including public resources, menu planning, and integration of nutrition education into early childhood education programs.

PHILOSOPHY

PHIL 101 - Introduction to Philosophy (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces philosophical ideas and methods concerning knowledge, reality and values. Expected topics will include the sources and limits of knowledge, and the nature of reality. Other topics that may be examined from a philosophical perspective include the nature of the self, religion, science, language, beauty and art, political theory, or mind.

PHIL 101H - Honors Introduction to Philosophy (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, introduces philosophical ideas and methods concerning knowledge, reality, and values. Expected topics will include the sources and limits of knowledge, and the nature of reality. Other topics that may be examined from a philosophical perspective include the nature of the self, religion, science, language, beauty and art, political theory, or mind. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either Philosophy 101 or Philosophy 101H. Duplicate credit will not be awarded.

PHIL 103 - Ethics and Society (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course offers a critical study of the major ethical theories and their application to contemporary moral issues, such as abortion, the death penalty, poverty, war, and euthanasia.

PHIL 105 - Critical Thinking and Discourse (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 101 with a minimum grade of C

This course focuses on the study and development of critical reasoning and effective argumentation. Emphasis is placed on the application of critical thinking skills to the production of clear, well-argued position and advocacy papers and to the linguistic and logical analysis of the writings of others. Students' papers and other writings will total a minimum of 6,000-8,000 words.

PHIL 105H - Honors Critical Thinking and Discourse (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: ENGL 101 or ENGL 101H with a minimum grade of C

This honors course, intended for students in the Honors Transfer Program, focuses on the study and development of critical reasoning and effective argumentation. Emphasis is placed on the application of critical thinking skills to the production of clear, well-argued position and advocacy papers and to the linguistic and logical analysis of the writings of others. Students' papers and other writings will total a minimum of 6,000-8,000 words. This course is enriched through extensive rigorous reading, writing, and research assignments.

Note: Students may either take PHIL 105 or PHIL 105H. Duplicate credit will not be awarded.

PHIL 111 - History of Ancient and Medieval Philosophy (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course offers a chronological examination of Western philosophical thought developed between 600 B.C.E. and 1300 C.E., including the principal ancient and medieval philosophies of this time period. Topics include Greek and Roman thought, and the rise and development of Christianity.

PHIL 112 - History of Modern Philosophy (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course addresses 16th through 18th century Western philosophy with an emphasis on broad epistemological and metaphysical developments in philosophical thought from Descartes to Kant and may include some precursors and successors. Some of the concepts explored include empiricism, rationalism, idealism, the limits of knowledge, skepticism, the nature of reality, and arguments for and against the existence of God.

PHIL 115 - Existentialism (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course will examine the philosophical thought of the two strands of existentialist writers: the religious existentialists such as Kierkegaard, Dostoevsky, and Heidegger, and the atheistic existentialists such as Nietzsche, Camus, and Sartre. Issues that will be examined include authenticity, free will, responsibility for one's character and actions, the essence, possibilities and limits of human beings, and the meaning of life.

PHYSICAL EDUCATION

Activity Courses:

PE 102 - Walking for Fitness (CSU, UC)

Units: 1 **Lecture Hours:** 0

Lab Hours: 54

Outside Hours: 0

Grading Method: Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: None

This course is designed to provide students with a foundation of aerobic fitness through walking. Students will progress from shorter duration, lower intensity walks to exercise sessions that include longer duration, higher intensity exercise and power walking. Conditioning programs will emphasize development of endurance, progressive increases in caloric expenditure, and improvements in body composition. Strategies for the prevention of injuries will be addressed. Successful completion of the course will result in improved aerobic fitness, increased caloric expenditure, and the ability to construct effective walking programs for continued benefit.

PE 103 - Boot Camp Fitness Training (CSU, UC)

Units: 1 **Lecture Hours:** 0

Lab Hours: 54

Outside Hours: 0

Grading Method: Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: None

This course offers an intense, highly regimented, military style of physical conditioning. Disciplined forms of exercise include use of body weight, simple apparatus, and calisthenics to develop aerobic and muscle fitness.

PE 104 - Basketball (CSU, UC)

Units: 1 **Lecture Hours:** 0

Lab Hours: 54

Outside Hours: 0

Grading Method: Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: None

This course offers instruction and practice in the skills of basketball for the beginning to advanced player. Offensive and defensive skills, such as footwork, dribbling, passing, and shooting, are taught along with defensive positioning and rebounding. Rules of the game will be covered along with game strategies and tournament play.

PE 107 - Baseball (CSU, UC)

Units: 1 **Lecture Hours:** 0

Lab Hours: 54

Outside Hours: 0

Grading Method: Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: None

Students are introduced to the sport of baseball through instruction and practice. Topics include batting, fielding, and base running skills as well as rules and game strategy. Students will participate in game situations that allow execution of skills and strategies in a competitive environment. A conditioning program specific to the sport will also be utilized.

PE 110 - Body Conditioning and Physical Fitness (CSU, UC)

Units: 1 **Lecture Hours:** 0

Lab Hours: 54

Outside Hours: 0

Grading Method: Letter

Credit Status: Credit, degree applicable

Conditions of Enrollment: None

This course provides students with a fitness foundation through the means of cardiorespiratory endurance training, muscular strength and endurance training, and flexibility exercises. Students assess health-related components of fitness, set fitness goals, and monitor progression. Special emphasis is paid to the design and execution of a personalized exercise prescription.

PE 113 - Volleyball (CSU, UC)

Units: 1 **Lecture Hours:** 0
Grading Method: Letter
Conditions of Enrollment: None

Lab Hours: 54 **Outside Hours:** 0
Credit Status: Credit, degree applicable

This course provides instruction and practice in the skills of volleyball. Skill progressions of serving, passing, setting, spiking, digging, and blocking are taught. Game strategies as applied to two person, four person and six person teams will be covered. Offensive and defensive systems as well as formations and line-ups are included. Tournaments are also included in this course, allowing the students to execute the skills in a competitive environment. The rules of both the indoor and outdoor games will be covered. Specific conditioning for the game of volleyball is also incorporated.

PE 118 - Beginning Boxing (CSU, UC)

Units: 1 **Lecture Hours:** 0
Grading Method: Letter
Conditions of Enrollment: None

Lab Hours: 54 **Outside Hours:** 0
Credit Status: Credit, degree applicable

This course examines the skills, rules, etiquette, and strategies for the beginning boxer. Students will utilize correct body positioning and footwork as well as the principles and mechanics of punches and defenses. The training aspects of boxing as well as conditioning and fitness strategies will also be covered.

PE 119 - Intermediate Boxing (CSU, UC)

Units: 1 **Lecture Hours:** 0
Grading Method: Letter
Conditions of Enrollment: None

Lab Hours: 54 **Outside Hours:** 0
Credit Status: Credit, degree applicable

This course expands on the skills and knowledge of beginning boxing. Students will advance from basic boxing fundamentals to intermediate level techniques and sparring, while enhancing balance, cardiorespiratory endurance, core and strength training.

PE 122 - Cardio Fitness and Body Sculpting (CSU, UC)

Units: 1 **Lecture Hours:** 0
Grading Method: Letter
Conditions of Enrollment: None

Lab Hours: 54 **Outside Hours:** 0
Credit Status: Credit, degree applicable

This course focuses on the basic principles of cardiorespiratory conditioning and body sculpting. Emphasis is placed on exercise techniques and the development of cardiorespiratory endurance, muscle endurance, flexibility, and body composition. Fitness assessments are used to develop personalized self-paced workouts.

PE 125 - Weight Training (CSU, UC)

Units: 1 **Lecture Hours:** 0
Grading Method: Letter
Conditions of Enrollment: None

Lab Hours: 54 **Outside Hours:** 0
Credit Status: Credit, degree applicable

This course offers basic through advanced instruction in the theory and techniques of progressive resistance exercise training. Course content includes basic muscle anatomy, individual goal setting and progress monitoring, exposure to a variety of training systems, and specific application of methods to individual goals and needs.

PE 127 - Yoga for Health and Fitness (CSU, UC)

Units: 1 **Lecture Hours:** 0
Grading Method: Letter
Conditions of Enrollment: None

Lab Hours: 54 **Outside Hours:** 0
Credit Status: Credit, degree applicable

This course is designed to improve both fitness and health through mind and body integration. Yoga postures (asanas) are woven together to provide a workout that targets the body but does not emphasize any religion or philosophy. Breathing while performing the asanas is stressed. Various styles of Hatha Yoga will be introduced. This course will give the student both the knowledge and the practice to move toward improved health, fitness and mind and body awareness.

PE 128 - Power Vinyasa Yoga (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: PE 127

This course is a challenging physical yoga practice designed to build significant strength, endurance, concentration, as well as flexibility. It is an athletic form of asana that appeals to students who want to learn how to take their fitness to the next level by practicing yoga.

PE 130 - Beginning Soccer (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course will provide instruction for beginning soccer players. Technical skills taught will include passing, controlling the ball, heading, shooting, tackling, and dribbling the soccer ball. Basic soccer strategies will be introduced and students will gain a working knowledge of the Laws of Soccer. Students will learn the importance of fitness in order to be able to perform the technical aspects of soccer.

PE 131 - Intermediate Soccer (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: PE 130

This course will provide instruction for soccer players who have reached the intermediate level of technical competency on the soccer field. Emphasis will be placed on four areas of the game: technical ability, tactical understanding, physical fitness, and the mental approach necessary to compete successfully. In addition, there will be further discussion on the Laws of the Game, equipment, etiquette, flexibility and fitness.

PE 134 - Badminton (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides instruction and practice in the skills of badminton for the beginner to the advanced player. Progressions of skills include serving, clears, net shots, smash and drive. Rules, strategy, and etiquette will be covered. Opportunities for singles and doubles competition in tournament play is included in the course.

PE 138 - Circuit Training (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on the concept of circuit training: a sequence of exercises performed with minimal rest periods between exercise stations. Emphasis is placed on the development of cardiorespiratory endurance, muscular endurance, core conditioning and body composition. Assessments of fitness components will be used to develop exercise prescriptions.

Intercollegiate Athletic Courses:

PE 150 - Sport-Specific, Periodized Training for Athletes (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0

Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

Students will engage in physical conditioning that is specific to their sport. Training will be periodized with changes in training variables occurring at prescribed intervals and phases of training. Athlete's strengths and weaknesses in performing their sport will be assessed; injury risk will be identified. Test results, athlete goals, and coaches' input will be used to develop individual training programs to optimize physical conditioning and reduce risk of injury during any phase of the athlete's training year.

Note: This course may be taken four (4) times.

PE 154 - Women's Intercollegiate Badminton Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0

Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction, training, and practice in the advance techniques of badminton and the opportunity for intercollegiate competition. Student athletes will compete against conference schools and other colleges.

Note: This course is only offered in the spring semester and may be taken three (3) times.

PE 155 - Off-season Training for Women's Intercollegiate Badminton Team (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0

Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course is open to team candidates and athletes for off-season badminton training. All participants will engage in an off-season program stressing instruction, skill development, strength training and cardiovascular conditioning.

Note: Course offered during the fall semester only and may be taken three (3) times.

PE 158 - Men's Intercollegiate Baseball Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0

Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction, training, and practice in the advanced techniques of baseball and the opportunity for intercollegiate competition. Students will compete against conference schools and other colleges.

Note: This course is offered in the spring semester only and may be taken three (3) times.

PE 159 - Off-Season Training for Men's Intercollegiate Baseball (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0

Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and practice in the advanced techniques of baseball. All students will engage in an off-season program emphasizing instruction, game tactics, skill development, strength training, and conditioning.

Note: This class is offered in the fall semester and summer session only and may be taken three (3) times.

PE 162 - Men's Intercollegiate Basketball Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction, training, and practice in the advanced techniques of basketball and the opportunity for intercollegiate competition. Student athletes will compete against conference schools and other colleges.

Note: This course is offered in the fall semester only and may be taken three (3) times.

PE 163 - Off-Season Training for Men's Intercollegiate Basketball Team (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and practice in the advanced techniques of basketball. All students will engage in an off-season program emphasizing instruction, skill development, strength training, and conditioning.

Note: This course is offered in the spring semester and summer session only and may be taken three (3) times.

PE 164 - Women's Intercollegiate Basketball Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction, training, and practice in the advanced techniques of basketball and the opportunity for intercollegiate competition. Student athletes will compete against conference schools and other colleges.

Note: This course is offered in the fall semester only and may be taken three (3) times.

PE 165 - Off-Season Training for Women's Intercollegiate Basketball Team (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and practice in the advanced techniques of basketball. All students will engage in an off-season program emphasizing instruction, skill development, strength training, and conditioning.

Note: This course is offered in the spring semester and summer session only and may be taken three (3) times.

PE 167 - Intercollegiate Cross Country Teams (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and training in the exercise techniques and principles required for successful development in cross country distance running and the opportunity for intercollegiate competition. Student athletes will compete against conference schools and other colleges and universities.

Note: This course is offered in the fall semester only and may be taken three (3) times.

PE 168 - Off-Season Training for Intercollegiate Cross Country Teams (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and training in the exercise techniques and principles required for successful development in cross country distance running and intercollegiate competition. All students will engage in an off-season program emphasizing instruction, skill development, strength training, and conditioning.

Note: This course may be taken three (3) times.

PE 170 - Men's Intercollegiate Football Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and practice in the advanced offensive and defensive techniques and strategies of football and the opportunity for intercollegiate competition. Student-athletes may compete against conference schools and other colleges.

Note: This course is offered in the fall semester only and may be taken three (3) times.

PE 171 - Off-Season Training for Men's Intercollegiate Football Team (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction, training, and practice in the advanced techniques of football. All students will engage in an off-season program emphasizing instruction, skill development, strength training, and conditioning.

Note: This course is offered in the spring semester and summer session only and may be taken three (3) times.

PE 174 - Men's Intercollegiate Soccer Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides practice and instruction in the advanced techniques of soccer leading to intercollegiate competition with member schools of the South Coast Conference and other colleges.

Note: This course is offered in the fall semester only and may be taken three (3) times.

PE 175 - Off-Season Training for Men's Intercollegiate Soccer Team (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course is designed for off-season soccer training. Students will engage in an off-season program stressing instruction, skill development, strength training, and cardiovascular conditioning.

Note: This course is offered in the spring semester and summer session only and may be taken three (3) times.

PE 177 - Women's Intercollegiate Soccer Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill
This course provides instruction, training, and practice in the advanced techniques of soccer and the opportunity for intercollegiate competition. Student athletes may compete against conference schools and other colleges.

Note: This course is offered in the fall semester only and may be taken three (3) times.

PE 178 - Off-Season Training for Women's Intercollegiate Soccer Team (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill
This course provides instruction and practice in the advanced techniques of soccer. All students will engage in an off-season program emphasizing instruction, skill development, strength training, and conditioning.

Note: This course is offered in the spring semester and summer session only and may be taken three (3) times.

PE 180 - Women's Intercollegiate Softball Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction, training, and practice in the advanced techniques of softball and the opportunity for intercollegiate competition. Students will compete against conference schools and other colleges.

Note: This course is offered in the spring semester only and may be taken three (3) times.

PE 181 - Off-Season Training for Women's Intercollegiate Softball Team (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and practice in the advanced techniques of softball. All students will engage in an off-season program emphasizing skill development, conditioning, and strategies of the game.

Note: This course may be taken three (3) times.

PE 183 - Intercollegiate Track and Field Teams (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable

Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction, training, and practice in the advanced techniques of track and field. Students will have the opportunity for intercollegiate competition and will compete against conference schools and other colleges.

Note: This course is offered in the spring semester only and may be taken three (3) times.

PE 184 - Off-Season Training for Intercollegiate Track and Field Teams (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and practice in the advanced techniques of track and field. All students will engage in an off-season program emphasizing instruction, skill development, strength training, and conditioning.

Note: This course is offered in the fall semester and summer session only and may be taken three (3) times.

PE 186 - Women's Intercollegiate Volleyball Team (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 180 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and practice in the advanced techniques of women's volleyball. Students will compete against member schools of the South Coast Conference and other colleges.

Note: This course is offered in the fall semester only and may be taken three (3) times.

PE 187 - Off-Season Training for Women's Intercollegiate Volleyball (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: high school varsity experience or equivalent skill

This course provides instruction and practice in the advanced techniques of women's volleyball. Emphasis is placed on advanced skill training. Offensive and defensive systems, game strategy, and specific conditioning for volleyball are incorporated.

Note: This course is offered in the spring semester and summer only and may be taken three (3) times.

Non-Activity Courses:

PE 217 - Sports Officiating (CSU, UC*)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides instruction in the basic principles and applications of sports officiating. A range of topics including officiating objectives, conduct, communication skills, conflict management, fitness, legal rights and responsibilities, and career development will be discussed.

**Note: Some UC transferable courses have credit limitations. For details, see a counselor, the Transfer Center adviser, or the articulation officer.*

PE 260 - Basic Principles of Fitness and Weight Control (CSU)

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: **Corequisite:** PE 102, 103, 104, 110, 113, 118, 122, 125, 127, 128, 130, 138 or 150

Students receive basic instruction for implementing physical activity programs for personal health and fitness. Guidelines for developing aerobic fitness, muscle strength and tone, flexibility, and life-long physical activity are presented in the context of reducing health risk factors, enhancing well-being, and maintaining long-term weight management. Basic nutritional recommendations are provided in support of these objectives.

PE 270 - Fitness and Sports Nutrition (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MATH 23

This course examines the nutritional and dietary requirements of physically active adults and those involved in athletic competition. The course emphasizes optimal nutrition regimens as an integral part of overall health and peak performance. Emphasis is placed on human nutrition needs, the role of supplements as ergogenic aids, and the integration of diet and exercise in achieving optimal body composition.

PE 272 - Care and Prevention of Athletic Injuries (CSU, UC*)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course provides the future athletic trainer, as well as coach and health care professional, the concepts surrounding the profession of athletic training. Emphasis is placed on the principles, techniques, and ethics in the prevention and care of athletic injuries. Study areas include the sports medicine team, legal issues, risk management, pathology of injury, management skills, and specific sports injuries and conditions.

**Note: Some UC transferable courses have credit limitations. For details, see a counselor, the Transfer Center adviser, or the articulation officer.*

PE 275 - Sport Psychology (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: PSYC 101

This course is a scientific study of the psychological factors associated with participation and performance in sport activities. Emphasis will be placed on how psychological principles and research can be used to understand and enhance sport performance. Topics will include historical and theoretical perspectives of sport psychology, research methods, and the relationship between sport performance and various personality, motivational, and social psychological variables. Gender and age issues, as well as the effects and management of unhealthy behaviors, will be discussed.

PE 277 - Introduction to Kinesiology (CSU, UC*)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the interdisciplinary approach to the study of human movement. It provides an overview of the importance of the sub-disciplines of kinesiology including the historical, professional, and philosophical foundations. Specialties such as exercise science, biomechanics, athletic training, physical therapy, fitness, teaching, coaching, sport psychology, and adapted physical education are surveyed for their scope and career options.

**Note: Some UC transferable courses have credit limitations. For details, see a counselor, the Transfer Center adviser, or the articulation officer.*

PE 280 - Exercise and Nutrition Programs for Fitness and Weight Management (CSU)

Units: 3 **Lecture Hours:** 36 **Activity Hours:** 36 **Outside Hours:** 90
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Students will be given guidelines for the design of individual exercise programs of aerobic fitness, weight loss, and development of muscle mass, muscle strength, and joint flexibility. Nutritional support for optimizing these fitness objectives is integrated throughout the course. Students participate in both classroom discussions and relevant exercise training. Measurement of aerobic fitness, body composition, and tests of muscle function will be conducted to guide exercise and dietary recommendations.

PE 290 - Personal Fitness Trainer (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: MATH 23

This course provides the scientific foundations and practical experience required by Personal Fitness Trainers for certification by agencies such as American College of Sports Medicine (ACSM), National Strength Coaches Association (NSCA), National Academy of Sports Medicine (NASM), and others. The course is broad-based, with topical areas including basic exercise physiology, biomechanics, fitness assessments, exercise prescriptions, fitness training principles, nutrition, weight management, and work with special populations. The business aspects of Personal Training are also reviewed.

PHYSICAL SCIENCES**PSCI 125 - Exploring Physical Sciences (CSU, UC*)**

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 72 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a broad based introductory study of the physical sciences for future elementary and middle school educators. The topics covered are part of the California science standards and are designed to introduce physics and chemistry. Topics include energy, forces, motion, magnetism, electricity, gravitational interactions, properties of light and sound, changes of state, physical properties, atomic structure, and chemical changes. Drawing from their own observations and laboratory experiments, students will develop concepts and construct models that can predict outcomes of experiments.

**Note: Students will not receive UC credit for PSCI 125 if taken after a college level chemistry or physics class.*

PHYSICS**PHYS 99 - Independent Study (CSU)**

Units: 1-3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in the major Physics series with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work

This course provides special advanced studies in a subject field of Physics not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Physics projects (54 hours per unit).

**Note: Transfer limitations apply.*

PHYS 111 - Descriptive Introduction to Physics (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course utilizes lectures and demonstrations to present various principles of physics in a non-mathematical manner. Newton's Laws of motion and gravitation, momentum, work, energy, and heat will be presented. Other topics will be selected from properties of matter, fluids, sound, light, electricity and magnetism, atomic and modern physics, special and general relativity.

PHYS 112 - Laboratory for Introductory Physics (CSU, UC)**Units:** 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: PHYS 111 with a minimum grade of C or concurrent enrollment

This laboratory course is designed to give the student an opportunity to experimentally reinforce some of the fundamental concepts of physics studied in PHYS 111.

PHYS 120 - General Physics (CSU, UC*)**Units:** 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: MATH 170 with a minimum grade of

This course is part of a one-year algebra- and trigonometry-based survey of physics. Topics covered include kinematics, statics, dynamics, momentum, energy, rotation, gravitation and planetary motion, fluids, kinetic theory of gases, and thermodynamics. In addition, the course covers elasticity and vibration, wave motion, interference, standing waves, and sound.

**Note: the maximum UC credit allowed for students completing PHYS 120, 122 and PHYS 150, 152, 250, 252 is one series; deduct credit for duplication of topics.*

PHYS 122 - General Physics (CSU, UC*)**Units:** 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: PHYS 120 with a minimum grade of C

This course is part of a one-year algebra- and trigonometry-based survey of physics. Topics covered include electric forces and fields, electric energy, electric circuits, magnetism, electromagnetic waves, geometric optics, wave optics, applied optics, relativity, electrons and photons, atomic structure, the nucleus, applied nuclear physics, and particle physics.

**Note: the maximum UC credit allowed for students completing PHYS 120, 122 and PHYS 150, 152, 250, 252 is one series; deduct credit for duplication of topics.*

PHYS 150 - Mechanics of Solids (CSU, UC*)**Units:** 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: One year of high school Physics or PHYS 120 with a minimum grade of C; and MATH 190 with a minimum grade of C or concurrent enrollment

This is the first course in a four-semester calculus-based physics sequence designed for students with majors in engineering and the physical sciences. The course focuses on the mechanics of solids, with topics including statics, kinematics, Newton's Laws, energy, power, linear and angular momentum, rotational dynamics, elasticity, simple harmonic motion, and gravitation.

**Note: the maximum UC credit allowed for students completing PHYS 120, 122 and PHYS 150, 152, 250, 252 is one series; deduct credit for duplication of topics.*

PHYS 152 - Fluids, Heat and Sound (CSU, UC*)**Units:** 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: PHYS 150 with a minimum grade of C; MATH 191 with a minimum grade of C or concurrent enrollment

This is the second course in a four-semester calculus-based physics sequence designed for students with majors in engineering and the physical sciences. This course focuses on fluids, thermodynamics, and wave phenomena, with topics including fluids, statics and dynamics, gas laws, heat transfer, engines, the first and second laws of thermodynamics, and sound.

**Note: The maximum UC credit allowed for students completing PHYS 150, 152, 250, 252 and PHYS 120, 122 is one series; deduct credit for duplication of topics.*

PHYS 250 - Electricity and Magnetism (CSU, UC*)**Units:** 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: PHYS 150 with a minimum grade of C and MATH 191 with a minimum grade of C

This course details the mathematical and physical description of Coulomb's Law, electric field and potential, Gauss's Law, DC circuit analysis with Ohm's Law and Kirchhoff's Law, AC circuit analysis with phase diagrams, elementary electronics, capacitance, magnetic fields and their effect on moving charges and currents, magnetic fields produced by various current configurations, induced emf, mutual and self-inductance, basic theory of dielectrics, magnetic properties of materials and Maxwell's Equations in integral and differential form.

**Note: the maximum UC credit allowed for students completing PHYS 120, 122 and PHYS 150, 152, 250, 252 is one series; deduct credit for duplication of topics.*

PHYS 252 - Optics and Modern Physics (CSU, UC*)**Units:** 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: PHYS 150 with a minimum grade of C and MATH 191 with a minimum grade of C

This is the fourth course in four-semester calculus-based physics sequence intended for students entering majors in engineering and the physical sciences. The topics covered include geometric and physical optics, special relativity, quantum mechanics, nuclear physics, and selected topics in modern physics.

**Note: the maximum UC credit allowed for students completing PHYS 120, 122 and PHYS 150, 152, 250, 252 is one series; deduct credit for duplication of topics.*

PHYSIOLOGY**PHYO 131 - Human Physiology (CSU, UC)****Units:** 4 **Lecture Hours:** 36 **Lab Hours:** 108 **Outside Hours:** 72**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: ANAT 132 and CHEM 102 or CHEM 104. with a minimum grade of C

This course is a study of cellular physiology and the functional aspects of the following human body systems: circulatory, respiratory, digestive, excretory, reproductive, muscle, nervous and endocrine. In the laboratory, experiments are performed to demonstrate principles discussed in lecture. This course is designed primarily for those majoring in the Health Sciences.

POLITICAL SCIENCE

POLI 101 - Governments of the United States and California (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of the concepts, theories, and functions of the American political system. The basic principles of the United States Constitution and the government of California will be examined. Emphasis will be placed on the formal and informal influences of federalism on national and state governments.

POLI 101H - Honors Governments of the United States and California (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, is a survey of the concepts, theories, and functions of the American political system. The basic principles of the United States Constitution and the government of California will be examined. Emphasis will be placed on the formal and informal influences of federalism on national and state governments. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either POLI 101 or POLI 101H. Duplicate credit will not be awarded for POLI 101 and POLI 101H.

POLI 102 - Introduction to Comparative Politics (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: POLI 101

In this course students will analyze political systems of different countries in a comparative context. Emphasis will be placed on studying the differences and similarities of governmental systems found in developed democratic nation-states. Developing countries, regional systems, and new democracies will also be analyzed to illustrate the complex nature of creating and maintaining a functioning nation-state system.

POLI 103 - Introduction to Principles and Methods of Political Science (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course focuses on analysis of the basic concepts, political theories, and subfields of political science. Major topics include a description of the methodology and research techniques employed by contemporary political scientists. Major political theories of the individual and the state, and the impact of these themes on modern political ideologies will also be examined.

POLI 105 - Ethnicity in the American Political Process (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course students will analyze racial and ethnic group relations in the context of the American political system and process. The relationship of racial and ethnic groups in American society to local, state, and national governments will be examined. Emphasis is placed on problems of assimilation and integration into the American political system.

POLI 106 - Civil Rights and Liberties in the United States (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces students to the study of civil rights and liberties based on current legislation and pertinent court decisions. Emphasis is placed on freedom of speech, religion and press, rights of the defendant, and equal protection issues of minority groups facing discrimination.

POLI 107 - Political Philosophy (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students will examine political theory as presented in the primary works of major Western thinkers from Plato to Marx. Fundamental issues to be explored include human nature, justice, power, the role of the state, and the legitimate scope of government.

POLI 110 - Introduction to International Relations (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: POLI 101

In this course students will examine the factors that determine the relations between nations and the problems that result from the interplay of these factors. The conditions that can lead to both conflict and cooperation among nations will be examined. Major topics include international security, issues of international political economy, and international organizations. International law and diplomacy are examined as alternative means of resolving conflict.

POLI 110H - Honors Introduction to International Relations (CSU, UC)

Units: 3 **Lecture Hours:** 0 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: POLI 101 or POLI 101H and eligibility for ENGL 101

This honors course, intended for students in the Honors Transfer Program, students will examine the factors that determine the relations between nations and the problems that result from the interplay of these factors. The conditions that can lead to both conflict and cooperation among nations will be examined. Major topics include international security, issues of international political economy, and international organizations. International law and diplomacy are examined as alternative means of resolving conflict. This course is enriched through extensive, rigorous reading, writing, and research assignments.

**Note: Students may take either POLI 110 or POLI 110H. Duplicate credit will not be awarded for POLI 110 or POLI 110H.*

PSYCHOLOGY

PSYC 101 - General Psychology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey study of human behavior and mental processes with an emphasis on basic theory and research generated by the scientific method. Major topics include psychobiology, learning, human cognition, personality, lifespan development, psychological disorders, therapeutic approaches, and social psychology.

PSYC 101H - Honors General Psychology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, is a survey study of human behavior and mental processes with an emphasis on basic theory and research generated by the scientific method. Major topics include psychobiology, learning, human cognition, personality, lifespan development, psychological disorders, therapeutic approaches, and social psychology. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either PSYC 101 or PSYC 101H. Duplicate credit will not be awarded for PSYC 101 and PSYC 101H.

PSYC 102 - Psychology for Effective Living (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a study of personal development and adjustment in society as well as the psychosocial and cultural influences on childhood, adolescence, and adulthood. Emphasis on the application of psychological research and theories to the development of social skills and personal adjustments as well as practical approaches to problems of personal development and social relationships will be examined.

PSYC 107 - Physiological Psychology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PSYC 101 or PSYC 101H with a minimum grade of C

This course focuses on physiological factors in human development, behavior, and experience. Fundamental topics include consciousness, language, emotion, memory, and sensation/perception. Clinical topics include Sexual Disorders, Bipolar Disorder, Schizophrenia, Post-Traumatic Stress Disorder, Autism, Alzheimer's disease, and traumatic brain injury. Studies of both humans and other animals are evaluated and organized by scientific and clinical standards.

PSYC 108 - Social Psychology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PSYC 101 or PSYC 101H with a minimum grade of C

This course focuses on the scientific study of the psychological processes and interpersonal interactions in and between groups. The emphasis is on individual behavior rather than on the group as a unit. Topics include social cognition; social perception; attitudes; prejudice and discrimination; social and group influence; aggression and prosocial behavior; interpersonal attraction and intimate relationships; and gender and culture.

PSYC 110 - African American Psychology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is an introduction to the psychological issues related to the African American experience in the United States. The relationship between the African American experience and social perception, social cognition, and identity and attitude formation is emphasized. Individual cognitive styles, personality development, and family structures of African Americans will also be examined.

PSYC 112 - Human Sexuality (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PSYC 101 or PSYC 101H with a minimum grade of C

This course is the scientific study of human sexuality. Emphasis is placed on the analysis of sexuality from a psychological theoretical framework. Topics include the history of sex, the scientific research methods used to study sex, and the psychobiology of sex. This course also examines cultural views of sex and gender, sexual behavior and relationships, and sex as a social and medical issue.

PSYC 115 - Abnormal Psychology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PSYC 101 or PSYC 101H with a minimum grade of C

This course focuses on the scientific study of both normal and abnormal experience and behavior. Emphasis is placed on the characterization, treatment, and prevention of psychological disorders ranging from mild to severe forms.

PSYC 116 - Lifespan Development (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PSYC 101 or PSYC 101H with a minimum grade of C

This course examines physical, cognitive and psychosocial development throughout the human lifespan from conception to death. Special emphasis is placed on culture, family relationships, and the interplay of genes and environment. Attention is also devoted to the practical application of research findings to ongoing developmental issues.

PSYC 120 - Introduction to Statistics and Data Analysis for the Behavioral Sciences (CSU, UC*)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PSYC 101 or PSYC 101H or SOCI 101 or SOCI 101H and MATH 73 or MATH 80 with a minimum grade of C.

Students are taught standard descriptive and inferential statistics for summarizing sample data and estimating population parameters. All aspects of significance testing are emphasized: hypotheses, models, calculations, interpretations, and criticisms. Students are also taught to review scientific articles critically and to write APA-style manuscripts.

Note: Psychology 120 is the same course as Sociology 120.

**Note: The maximum UC credit allowed for students completing PSYC 120, SOCI 120, MATH 115, 150, 150H is one course.*

PSYC 122 - Research Methods in the Behavioral Sciences (CSU, UC)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PSYC 101 and MATH 150 with a minimum grade of C.

This course is centered on the philosophy of science in general and the scientific method in particular. Students develop individual research studies with these elements: literature review, hypothesis, design & method, data collection & analysis, and discussion, oral presentation, and manuscript preparation (APA Publication Style).

REAL ESTATE**RE 111 - Real Estate Principles (CSU)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers various aspects of real estate, including an introduction to legal aspects, title and escrow procedures, property management, appraisal, finance, and the ownership of real property. Students develop basic vocabulary and test-taking skills in partial preparation for state examination for a California Bureau of Real Estate (BRE) license.

Note: The California Bureau of Real Estate (BRE) requires completion of this course prior to taking the California Real Estate Salesperson Examination and has approved this course for credit for the BRE broker's license requirement.

RE 113 - Real Estate Practice (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: RE 111 or concurrent enrollment; or California Bureau of Real Estate (BRE) license or equivalent experience

In this course, students will be introduced to the standard forms used in the real estate industry and will learn techniques necessary to close a residential real estate transaction. Students will develop skills in partial preparation for the state examination for a California Bureau of Real Estate (BRE) license, with emphasis placed on advertising, listings, finance, appraisal, escrow, and the tax aspects of real property ownership.

Note: The California Bureau of Real Estate (BRE) requires completion of this course prior to taking the California Real Estate Salesperson Examination and has approved this course for credit for the BRE broker's license requirement.

RE 114 - Real Estate Finance I (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: RE 111 or concurrent enrollment; or California Bureau of Real Estate (BRE) license or equivalent experience; BUS 115

This course provides instruction on the various aspects of finance, including fixed and variable rate loans, conventional and government financing programs, and creative financing options. Students will calculate unpaid loan balance, interest, and loan qualifying ratios.

Note: This course is approved by the California Bureau of Real Estate (BRE) as one of the mandatory eight statutorily required college-level courses for the broker license and for the salesperson license, which also requires Real Estate Principles and Real Estate Practice.

RE 115 - Advanced Real Estate Finance (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: RE 114 with a minimum grade of C

This course provides instruction on the more advanced methods of financing real estate projects, including non-residential commercial and industrial property. Emphasis is placed on the instruments of finance, types of structured loans, discounting leases, and the sale-leaseback transaction.

Note: The California Bureau of Real Estate (BRE) has approved this course as one of the elective courses for the real estate broker license.

RE 116 - Real Estate Economics (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: RE 111, RE 114 and RE 140; or California Bureau of Real Estate (BRE) license; or California Bureau of Real Estate Appraisers (BREA) license

This course provides instruction on the aspects that tie economics and politics to real estate land use. Emphasis is on the factors, which create value in real estate, including urban development, governmental policies, and requirements for development, as well as the business and real estate cycles.

Note: The California Bureau of Real Estate (BRE) has approved this course as one of the elective courses for the salesperson license in addition to the required Real Estate Principles and Real Estate Practice. The California Bureau of Real Estate (BRE) has approved this course as one of the elective courses for the real estate broker license.

RE 119 - Real Property Management (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: RE 111; or California Bureau of Real Estate (BRE) license or California Bureau of Real Estate Appraisal (BREA) license or equivalent; BUS 115

This course covers various aspects of property management for income producing real property, including rights of the parties, personnel for on-site and off-site rental-income property, introduction to legal contracts for rental property, physical maintenance, and trust fund accounting fundamentals including security deposits.

Note: This course is approved by the California Bureau of Real Estate (BRE) as one of the elective courses for the eight statutorily required college-level courses for the broker license and for the salesperson license, which also requires Real Estate Principles and Real Estate Practice.

RE 121 - Real Estate Investments (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: RE 111 and RE 114

This course discusses the acquisition phase, holding period and disposition analysis for real estate investment property. The course covers a review of pro forma statements, the effects of leverage and cash flow operating statements. Students develop strategies for decision-making alternatives for a sale, exchange, continuation of operations, and capital restructure using depreciation, installment sale and tax basis.

Note: The California Bureau of Real Estate (BRE) has approved this course as one of the elective courses that may be completed for the salesperson license in addition to the required courses of Real Estate Principles and Real Estate Practice. The California Bureau of Real Estate (BRE) has approved this course as one of the elective courses for the real estate broker license. The BRE requires a copy of the college course outline or catalog description along with transcript showing proof of course completion.

RE 126 – Escrows (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: RE 111

This course provides instruction in the functions of an escrow in a real property transaction. Emphasis is on residential escrow, with transactional variations studied for an escrow involving a seller, a buyer, refinance or loan, mobile home, and non-residential specialty escrows including commercial and industrial property, liquor license, impound account, probate and securities transaction. The course covers title insurance, prorations, and escrow settlement closing statements.

Note: The California Bureau of Real Estate (BRE) has approved this course as one of the elective courses that may be completed for the salesperson license in addition to the required Real Estate Principles and Real Estate Practice.

The California Bureau of Real Estate (BRE) has approved this course as one of the optional courses for the real estate broker license.

RE 131 - Mortgage Loan Brokering and Lending (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: RE 111 or concurrent enrollment; or California Bureau of Real Estate (BRE) license or equivalent experience; BUS 115

This course introduces the student to the principles and operations of the mortgage loan brokering field. The emphasis is on the lending rules for residential property. Students learn lending laws of Regulation Z, usury laws, disclosures, maximum fees and charges, agency relationships, advertising laws, Housing and Urban Development (HUD) and Real Estate Settlement Procedures Act (RESPA) calculations and the loan process. This course partially satisfies the California requirements for the Real Estate Salesperson and California Real Estate Broker licenses.

Note: This course is approved by the California Bureau of Real Estate (BRE) as one of the elective courses for the eight statutorily required college-level courses for the broker license and for the salesperson license, which also requires Real Estate Principles and Real Estate Practice.

RE 140 - Real Estate Appraisal (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: RE 111; or California Bureau of Real Estate Appraisers (BREA) license; or California Bureau of Real Estate (BRE) broker's license

This course provides instruction in the valuation principles of real estate appraisal, including architectural styles, types of construction, lot valuation, depreciation, the approaches to value, and appraisal standards and ethics.

Note: The California Bureau of Real Estate (BRE) has approved this course as one of the optional courses that must be completed within 18 months of conditional salesperson licensure in addition to the required courses of Real Estate Principles and Real Estate Practice. This course is statutorily required for the California real estate broker license. The California Bureau of Real Estate Appraisers (BREA) has approved this course for 54 hours of basic education (BE) credit. BREA has approved this course for 51 hours of continuing education (CE) credit for license renewal provided the student has 90% attendance and passes a closed book final exam.

RE 141 - Advanced Real Estate Appraisal (CSU)**Units:** 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: RE 140 with a minimum grade of C; or California Bureau of Real Estate Appraisers (BREA) license; or California Bureau of Real Estate (BRE) broker's license

This course provides instruction in advanced concepts of the income approach to value process for real property, analyzing operating expenses, capitalization, and depreciation. Students develop proficiency in utilizing residential income and commercial and industrial property appraisal guidelines to create a standard appraisal form. Emphasis is placed on the advanced cost approach valuation, in addition to the Uniform Standards of Professional Appraisal Practice (USPAP) ethics.

Note: The California Bureau of Real Estate (BRE) has approved this course as one of the elective courses for the real estate broker license. This course is not approved by BRE for the educational requirements for the salesperson license.

SIGN LANGUAGE**SLAN 101 - Individualized American Sign Language Laboratory (Not Transferable)****Units:** 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0**Grading Method:** P/NP **Credit Status:** Credit, not degree applicable**Conditions of Enrollment:** Prerequisite: SLAN 111 with a minimum grade of C or concurrent enrollment

This laboratory course provides opportunities for practice and further development of American Sign Language (ASL) skills. Self-paced study allows students to improve both signing and comprehension skills. Interactive exercises and visual media will be utilized to reinforce vocabulary and syntax.

SLAN 111 - American Sign Language I (CSU, UC)**Units:** 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** None

This beginning course, taught within the context of deaf culture, introduces students to signing and comprehending elementary American Sign Language (ASL). Through a visual-gestural approach and multimedia activities, students develop basic vocabulary and grammar that deal with everyday topics.

Note: This course is comparable to two years of high school sign language.

SLAN 112 - American Sign Language II (CSU, UC)**Units:** 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: SLAN 111 with a minimum grade of C

This course is a continuation of the study of American Sign Language (ASL) and deaf culture. Focusing on ASL structure and grammar used by native signers, students will develop fluency at the intermediate level.

Note: The prerequisite for this course is comparable to two years of high school sign language.

SLAN 113 - American Sign Language III (CSU, UC)**Units:** 4 **Lecture Hours:** 72 **Lab Hours:** 0 **Outside Hours:** 144**Grading Method:** Letter **Credit Status:** Credit, degree applicable**Conditions of Enrollment:** Prerequisite: SLAN 112 with a minimum grade of C

This course is a continuation of the study of American Sign Language (ASL) II and deaf culture. Further study of vocabulary, structure, and narrative techniques will help students develop language fluency to discuss abstract ideas and environments outside the classroom.

SLAN 120 - Fingerspelling and Numerical Concepts (CSU)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SLAN 111 with a minimum grade of C

This course is designed to provide beginning and advanced practice with the sign language component known as fingerspelling. Skill development for expressive and receptive fingerspelling, numerical concepts, and lexicalized signs will enhance the student's ability to comprehend and utilize fingerspelling with accuracy and clarity.

SLAN 130 - Deaf Culture (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to explore the anthropologic, political, and linguistic aspects of the culture of the deaf. Discussion and topics will provide the student with an understanding of the issues of being a deaf individual in a hearing world and trends of the deaf culture.

SLAN 131 - Perspective on Deafness (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students will explore the realm of deafness from both a hearing and deaf perspective. Current topics and issues include sign language, language acquisition, educational trends, experiments, and research. Students will gain an understanding of cultural implications of deafness. Causes of deafness and modern technological advances are explored.

SLAN 200 - Principles of Sign Language Interpreting (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SLAN 114 with a minimum grade of C

This course is an introduction to the field of sign language interpreting. Topics will include history, definitions, settings, standards, and certification. Focus on ethics and the interpreting process provides a theoretical foundation for interpreting coursework.

SOCIOLOGY**SOCI 101 - Introduction to Sociology (CSU, UC)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces students to the major theoretical perspectives, concepts, and areas of study in sociology. It critically examines the relationship between the social environment and human behavior, specifically on how social forces such as race, gender, sexuality, age, and social class shape our everyday lives. In addition to learning sociological theories and research methods, students gain an understanding of sociological concepts such as culture, socialization, social institutions, deviance, stratification, and social change.

SOCI 101H - Honors Introduction to Sociology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, introduces students to the major theoretical perspectives, concepts, and areas of study in sociology. It critically examines the relationship between the social environment and human behavior, specifically on how social forces such as race, gender, sexuality, age, and social class shape our everyday lives. In addition to learning sociological theories and research methods, students gain an understanding of sociological concepts such as culture, socialization, social institutions, deviance, stratification, and social change. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either SOCI 101 or SOCI 101H. Duplicate credit will not be awarded.

SOCI 102 - The Family (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: SOCI 101

This course will provide students with an overview of the sociological perspective on the institution of family. Both historical and contemporary aspects of singlehood, courtship, mate selection, love, cohabitation, marriage, and divorce will be examined. Components of family life including gender socialization, parenting styles, communication, and conflict resolution will be analyzed using various theoretical perspectives. Emphasis will be placed on examining diverse family structure and relationships as well as how family experiences are shaped by social class, race, ethnicity, gender, and sexual orientation.

SOCI 104 - Social Problems (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: SOCI 101

In this course students explore various social problems from a sociological perspective. Students apply sociological theories and concepts to examine social problems related to race, gender, sexuality, age, and social class. Problems experienced in our social institutions such as the family educational system, criminal justice system, healthcare, media, and environment are analyzed. Using a 'sociological imagination,' students explore potential solutions and strategies to address contemporary social problems at both micro and macro levels.

SOCI 107 - Issues of Race and Ethnicity in the United States (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: SOCI 101

In this course students examine issues of race and ethnicity in the United States from a sociological perspective. Sociological concepts and theories are used to analyze the current and historical experiences of groups which are defined in racial and ethnic terms, and to assess how these definitions and experiences influence the current status and attainments of these groups in American society.

SOCI 108 - Global Perspectives on Race and Ethnicity (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: SOCI 101

In this course students will examine ethnic groups around the world using concepts of race, ethnicity, and minority status. Multiple theoretical perspectives will be used to examine the conditions under which certain ethnic groups have been designated with minority group status. Focus is given to the reactions of these groups to this designation, and the patterns of interaction between minority groups and dominant groups. Emphasis is on current situations involving minority-dominant group relations around the world and the historical conditions influencing them.

SOCI 110 - Introduction to Social Work (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: SOCI 101

This course introduces students to the field and profession of social work. Following a generalist model of practice within an ecological framework, students will learn about the historical influences that shaped the development of the social work profession as well as its core ethics and values, paying close attention to the missions of social justice and cultural competency. Course content will explore central theoretical influences, the functions and roles of social work practitioners, the various social service delivery systems and fields of practice social workers typically work in as well as populations that social workers typically serve.

SOCI 112 - Introduction to Criminology (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: SOCI 101

This course introduces students to the scientific analysis of crime and criminality. Sociological concepts and theories are used to analyze the nature, extent, and cause of crime; theoretical explanations for criminal behavior will be discussed. The dynamics of law, social control, treatment processes, and victimology will be evaluated.

SOCI 115 - Sociology of Death and Dying (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: SOCI 101

This course is a sociological approach to investigating death, dying, and bereavement processes in contemporary society. Students will compare the concept of death historically, socially, psychologically, and cross-culturally. Current legal, medical, and ethical issues related to death and dying, hospice, palliative care, end-of-life issues, violent deaths, and mass killings are also discussed.

SOCI 120 - Introduction to Statistics and Data Analysis for the Behavioral Sciences (CSU, UC*)

Units: 4 **Lecture Hours:** 54 **Lab Hours:** 54 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: PSYC 101 or PSYC 101H or SOCI 101 and MATH 73 or MATH 80 with a minimum grade of C

Students are taught standard descriptive and inferential statistics for summarizing sample data and estimating population parameters. All aspects of significance testing are emphasized: hypotheses, models, calculations, interpretations, and criticisms. Students are also taught to review scientific articles critically and to write APA-style manuscripts.

Note: This course is the same as PSYC 120.

**Note: The maximum UC credit allowed for students in completing SOCI 120, PSYC 120, MATH 115, 150, 150H is one course.*

SPANISH

SPAN 99 - Independent Study (CSU)

Units: 1-3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in Spanish with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Spanish not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Spanish projects (54 hours per unit).

Note: Transfer limitations apply.

SPAN 101 - Elementary Spanish I (CSU, UC*)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course introduces students to the development of skills for language acquisition in speaking, listening, reading, and writing linguistically appropriate Spanish. Students are also introduced to the cultural background of the language, including relationships among cultural practices and perspectives and the general aspects of everyday life. Technological support includes videos, DVDs, audio CDs, and Internet access to publishers' websites for tutoring and other support.

Note: This course is comparable to two years of high school Spanish.

**No credit for SPAN 101 if taken after SPAN 152 or SPAN 153.*

SPAN 101H - Honors Elementary Spanish I (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This honors course, intended for students in the Honors Transfer Program, introduces students to the development of skills for language acquisition in speaking, listening, reading, and writing linguistically appropriate Spanish. Students are also introduced to the cultural background of the language, including relationships among cultural practices and perspectives and the general aspects of everyday life. Technological support includes videos, DVDs, audio CDs, and Internet access to publishers' websites for tutoring and other support. This honors course will be enriched through limited class size, oral presentations, expanded assignments and participation in cultural activities. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either SPAN 101 or SPAN 101H. Duplicate credit will not be awarded.

SPAN 102 - Elementary Spanish II (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 101 with a minimum grade of C

This course, taught within the context of Spanish and Latin-American cultures, is a continuation of the study of elementary Spanish with an emphasis on listening, speaking, reading, and writing. Students improve their pronunciation and speaking skills along with their understanding of spoken Spanish. Computer, audio, and video programs are required to reinforce the language skills acquired in the classroom.

Note: The prerequisite for this course is comparable to two years of high school Spanish.

SPAN 103 - Intermediate Spanish I (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 102 with a minimum grade of C

This intermediate course, taught within the context of Spanish and Latin American culture, emphasizes the study of the essentials of Spanish grammar and the fundamentals of formal Spanish composition. Through oral and written practice, students expand their Spanish vocabulary and use of idiomatic expressions. Students read materials of representative Spanish and Latin American authors. Note: The prerequisite for this course is comparable to three years of high school Spanish.

SPAN 104 - Intermediate Spanish II (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 103 with a minimum grade of C

This intermediate course, taught within the context of Spanish and Latin American culture, is a continuation of the study of essential Spanish grammar and formal composition. Through oral and written practice, students further expand their Spanish vocabulary and use of idiomatic expressions to express more complex ideas. Students read materials of representative Spanish and Latin American authors and participate in daily conversations.

Note: The prerequisite for this course is comparable to four years of high school Spanish.

SPAN 105 - Advanced Spanish I (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 104 with a minimum grade of C

This advanced course, taught within the context of Spanish and Spanish-American culture, is a survey of literature written by Spanish and Spanish-American writers. Students read and summarize the works of representative Spanish and Spanish-American writers to acquire fluency in the language. Written Spanish, with an emphasis on vocabulary building and functional grammar, is also included.

SPAN 106 - Advanced Spanish II (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 105 with a minimum grade of C

This advanced course, taught within the context of Spanish and Spanish-American culture, introduces students to Spanish literary criticism. Students learn how to write critically about the works of representative Spanish and Spanish-American writers to acquire fluency in the language. Written Spanish, with an emphasis on vocabulary building and functional grammar, is also included.

SPAN 121 - Beginning Conversational Spanish (CSU)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 101 with a minimum grade of C

This course is designed to help students develop competency in Spanish oral expression, oral comprehension, pronunciation, and conversational strategies.

SPAN 122 - Intermediate Conversational Spanish (CSU, UC)

Units: 2 **Lecture Hours:** 36 **Lab Hours:** 0 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 102 and SPAN 121 with a minimum grade of C

This course is designed for the intermediate student to develop Spanish language fluency in oral expression, increase oral comprehension, and improve pronunciation. Conversational topics are based upon the daily experiences and cultural life of the ethnic areas involved with the Spanish language.

SPAN 152 - Spanish for Native Speakers I (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 102 with a minimum grade of C

This course is designed for students with a native-speaking knowledge of Spanish and who have little or no formal instruction in the Spanish language. Students develop the cultural and linguistic ability to use correct spoken and written Spanish free from regionalisms and Anglicisms. Students learn to correct faulty Spanish speech habits, improve vocabulary, and acquire skills in writing. Students also become familiar with the similarities and differences existing within and between the cultures of Spain, as well as the Caribbean and North and Central American Spanish-speaking countries.

SPAN 153 - Spanish for Native Speakers II (CSU, UC)

Units: 5 **Lecture Hours:** 90 **Lab Hours:** 0 **Outside Hours:** 180
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: SPAN 152 with a minimum grade of C

This course is designed for students with a native-speaking knowledge of Spanish and who have had some formal instruction in the Spanish language. Students strengthen their cultural and linguistic ability to use correct spoken and written Spanish free from regionalisms and Anglicism. Students master the ability to correct faulty Spanish speech habits, improve vocabulary, and acquire skills in writing. Students also become familiar with the similarities and differences existing within and between the cultures of Spain and Spanish America.

THEATER**THEA 103 - Theatre Appreciation (CSU, UC)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a survey of theater focusing on the theory and practice of modern theater. Topics include acting, directing, design of scenery, architecture, lighting, costuming, makeup, stage properties, and the American musical. Elements of playwriting, critical analysis, and career opportunities are also covered. Attendance is required at selected theater events.

THEA 104 - Dramatic Literature (CSU, UC)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

In this course, students survey selected plays from classical tragedy and comedy to contemporary drama. Emphasis is placed on reading, discussing, and critically analyzing dramatic literature influenced by social and cultural forces. Attendance at selected local theatre events is required.

THEA 113 - Introduction to Acting (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Designed for the non-theatre major, this course introduces the fundamental elements and techniques of acting. Emphasis is placed on the development of effective acting techniques through physical and vocal exercises, improvisation, and pantomime, culminating in the performance of scenes from selected plays. Attendance is required at selected theatre events.

THEA 114 - Fundamentals of Acting (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is a study of the techniques, styles, and disciplines of acting. The student is provided theory and practical experience with varied characterizations. Emphasis is placed on individual growth and acquired skills demonstrated through play and character analysis followed by presentations of scenes from contemporary realistic plays. Attendance is required at selected theatre events offered in the community.

THEA 175 - Student Performance/Production Workshop (CSU, UC)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 to be arranged **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: completion of or concurrent enrollment in the following:
Student performers: THEA113 or THEA 114

This course is a theatre workshop in which students participate in a production under faculty supervision as directors or performers. Students will demonstrate their theatrical skills and be ranked on their acting and/or directorial abilities in a live theatrical performance through participation in the Kennedy Center American College Theater Festival (KCACTF) competition. This course may be repeated four (4) times.

THEA 184 - Stagecraft (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course emphasizes both theoretical and practical experience in the technical aspects of play production, including scene design, set construction, scenery painting, rigging and equipment, properties, and the manipulation of stage scenery. Students participate in shop procedures and practices, safe tool usage, material selection, and fabrication methods. Attendance and participation in selected theatre events at is required.

THEA 185 - Introduction to Stage Lighting (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course emphasizes the operation of stage lighting equipment, planning, and rigging of lighting units, operation of control systems and related equipment, light sources, stage electricity, color in light, and the design of stage lighting. Students must attend selected theatre events.

THEA 189 - Costuming for the Stage (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course covers the theory and practice of costuming for the stage including historical background, basic costume design techniques, cutting, fitting, sewing, patternmaking, fabric design and dyeing, proper use and maintenance of equipment, and the duties of wardrobe crews and chiefs. Students must attend selected theatre events.

THEA 215 - Improvisation (CSU, UC)

Units: 2 **Lecture Hours:** 18 **Lab Hours:** 54 **Outside Hours:** 36
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: THEA 113 or THEA 114

This course introduces students to improvisational acting through games, exercises, and unrehearsed scenes. Emphasis is placed on working without a script, trusting one's instincts, and expanding one's expressive range.
 THEA 216 - Acting: Auditioning and Cold Reading (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: THEA 114 with a minimum grade of C

This course prepares students to audition for university placement or professional theatre. Topics include interpreting and developing a character at the audition-ready level, completion of a portfolio and resume, interpreting assigned scripts according to the Shurtleff "Guideposts" for successful cold reading, and preparation and maintenance of at least three monologues for auditions.

THEA 217 - Intermediate Acting (CSU, UC)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: THEA 114 with a minimum grade of C

This course is a continuation of THEA 114 and focuses on continued study in the methodology and process of acting for the stage and includes in-depth character study through use of personalization skills, imagery, environment, stage life, situation and motivation, given and imaginary circumstances, emotional and sense-memory recall, obstacles and objectives, through-line of action, and character biographies. Attendance is required at selected theatre events in the community. This course is required for the theatre major.

THEA 270 - Beginning Theatre Production (CSU)

Units: 1 **Lecture Hours:** 0 **Lab Hours:** 54 to be arranged **Outside Hours:** 0
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: **Enrollment Limitation:** Audition

This theatre production course is an acting workshop in which students learn performance skills and rehearsal discipline through active participation in a major theatrical production. Students will demonstrate their performance skills and be ranked on their acting abilities in a live performance through participation in the Kennedy Center American College Theater Festival (KCACTF) competition. This course may be repeated four (4) times.

TUTOR TRAINING**TUTR 200 - Theory and Practice of Tutoring (CSU)**

Units: 1 **Lecture Hours:** 18 **Lab Hours:** 0 **Outside Hours:** 36
Grading Method: P/NP **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed for students who intend to be tutors. It meets the College Reading and Learning Association training program requirements and is designed to help student tutors learn to communicate clearly and effectively with students needing academic assistance. Course content includes learning theories, tutorial techniques, program procedures and responsibilities, and tutoring practice.

Note: To be considered for Compton College employment as a tutor, students need to have completed the courses they wish to tutor with a final grade of B or better. The recommendation of the appropriate instructor is also necessary.

WELDING

WELD 95 - Cooperative Work Experience Education (CSU)

Units: 2-4 **Lecture Hours:** 0 **Lab Hours:** hours to be arranged
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major.

Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from experts in the Welding field. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and compare them to personal abilities and career expectations.

Note: Transfer limitations apply.

Note: The total units earned for Cooperative Work Experience Education may not exceed 16 units.

WELD 99 - Independent Study (CSU)

Units: 1-3 **Min Lecture Hours:** 54 **Max Lecture Hours:** 162
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

Enrollment Limitation: Two courses in Welding with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work.

This course provides special advanced studies in a subject field of Welding not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Welding projects (54 hours per unit).

Note: Transfer limitations apply.

WELD 101 - Introduction to Welding Process (CSU)

Units: 8 **Lecture Hours:** 90 **Lab Hours:** 180 **Outside Hours:** 162 **Grading Method:** Letter
Credit Status: Credit, degree applicable
Conditions of Enrollment: None

In this course, students are introduced to welding processes with a primary focus on developing manipulative skills. Welding processes covered include oxy-acetylene, plasma arc, shielded metal arc, gas tungsten arc, gas metal arc, and flux cored arc. The course also includes a study of occupational safety, weld symbols, print reading, metal fabrication, and joint design.

WELD 105 - Basic Welding for Allied Fields (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 54 **Outside Hours:** 72 **Grading Method:** Letter
Credit Status: Credit, degree applicable
Conditions of Enrollment: None

This is a basic course to support trade skills for students in allied fields. The course introduces students to welding equipment, nomenclature, safety, plasma and mechanical cutting, metallurgical exploration of ferrous and non-ferrous material, ductility of materials, effects of cold-working and heat treating.

WELD 108 - Introduction to Multi-Process Welding (CSU)

Units: 4 **Lecture Hours:** 45 **Lab Hours:** 81 **Outside Hours:** 90
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to provide students with basic performance qualification skills needed for employment in manufacturing and the maintenance industry. Students are introduced to multiple processes with a primary focus on developing manipulative skills commonly used in manufacturing. Welding processes covered include oxy-acetylene cutting, plasma arc cutting, Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), and Gas Metal Arc Welding (GMAW). The course also includes a study of occupational safety, weld symbols, and joint design.

WELD 109 - Advanced Welding for Manufacturing (CSU)

Units: 4 **Lecture Hours:** 45 **Lab Hours:** 81 **Outside Hours:** 90
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: WELD 108 or WELD 111 with a minimum grade of C

This course continues the development of students' theory and practice of their manual and semiautomatic welding skills, joining ferrous and non-ferrous metals for manufacturing technology. Welding processes include Gas Tungsten Arc Welding (GTAW), spray transfer, aluminum Gas Metal Arc Welding (GMAW) and Dual-Shield Flux Core Arc welding (FCAW-G). The course is an in-depth study into advanced manufacturing processes, work procedure specifications, occupational safety and calculations of material cost and sizes. Additional topics include fractional, decimal, and metric conversions.

WELD 111 - Introduction to Shielded Metal Arc Welding (SMAW) (CSU)

Units: 4 **Lecture Hours:** 45 **Lab Hours:** 81 **Outside Hours:** 90
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This is an introductory course where students will develop manipulative skills using the Shielded Metal Arc Welding (SMAW) processes. Emphasis is placed on safety procedures, use of manual and semi-automatic welding equipment, welding techniques, electrodes, and joints.

WELD 113 - Intermediate Shielded Metal Arc Welding (SMAW) (CSU)

Units: 4 **Lecture Hours:** 45 **Lab Hours:** 81 **Outside Hours:** 90
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: WELD 111

This course is designed for the intermediate student. Students will enhance their skills by developing their technique in the open root process using Shielded Metal Arc Welding (SMAW) electrodes. The course emphasizes the theory and practice of joint preparation, Complete Joint Penetration (CJP) and various cover pass processes including semi-automatic welding theory.

WELD 123 - Advanced Arc Welding Specialty Lab (CSU)

Units: 2 **Lecture Hours:** 0 **Lab Hours:** 108 **Outside Hours:** 0
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: WELD 113 with a minimum grade of C

This advanced level welding course is designed to further develop advanced specialized welding skills in the structural, sheet metal, and construction industries. This course is for the advanced arc welding student preparing for the American Welding Society (AWS) Structural Steel practical exam and certification.

WELD 125 - Advanced Certification and Career Preparation Lab (CSU)

Units: 2 **Lecture Hours:** 0 **Lab Hours:** 108 **Outside Hours:** 0
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: WELD 113 with a minimum grade of C

This advanced level welding lab is third of a series specifically designed for students to refine their welding skills in E7018 electrodes used in structural steel Shielded Metal Arc Welding (SMAW) in the vertical (3G) and overhead (4G) position. This class prepares the student for the American Welding Society (AWS) practical examination required to obtain the Los Angeles City license for structural steel. Taken in succession, this course prepares students to advance to level III in AWS national skill standards.

WELD 128 - American Welding Society (AWS) D1.1 Certification Test Preparation (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: WELD 123 or WELD 125 with a minimum grade of C

This course prepares the student to pass the written examination of the Los Angeles City Department of Building and Safety Structural Steel American Welding Society (AWS) D1.1 examination. Both the midterm and final examinations will be administered under same testing conditions as the actual Los Angeles City written exam.

WELD 129 - Blueprint Reading (CSU)

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed to provide principles of reading and interpreting basic industrial prints and shop drawings as applied to the welding trade. Emphasis is placed on shape identification, nomenclature, and welding symbols.

WELD 140 - Introduction to Gas Tungsten Arc Welding (GTAW) (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 72 **Outside Hours:** 54
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This course is designed for the beginning student. Students develop manipulative skills using the Gas Tungsten Arc Welding (GTAW) process on ferrous and non-ferrous alloys. Related classroom instruction covers technical data pertaining to this welding process with special emphasis on operational parameters of inverter type machines. This course begins preparation for eligibility for American Welding Society (AWS) D17.1 certification.

WELD 142 - Intermediate Gas Tungsten Arc Welding (GTAW) (CSU)

Units: 3 **Lecture Hours:** 36 **Lab Hours:** 72 **Outside Hours:** 54
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Recommended Preparation: WELD 140

This is an intermediate course in Gas Metal Arc Welding (GTAW). Special emphasis is placed on the welding of ferrous and non-ferrous metals in the various positions and building skill development in GTAW. This course continues student preparation toward the American Welding Society (AWS) D17.1 certification.

WELD 144 - Advanced Gas Tungsten Arc Welding (GTAW) Skills Lab (CSU)

Units: 2 **Lecture Hours:** 0 **Lab Hours:** 108 **Outside Hours:** 0
Grading Method: Letter grade or P/NP option **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: WELD 142 with a minimum grade of C

This course is designed to develop the advanced specialized skills used within the structural steel, sheet metal, and aerospace manufacturing industries using the Gas Tungsten Arc Welding (GTAW) process. Repair of cast welding and tooling maintenance will be introduced. Students will develop various specialized skills that will help achieve students' goals and attain the necessary traits that employers are seeking. This course prepares students for American Welding Society (AWS) D17.1 certification.

WELD 150 - Structural Fabrication (CSU)

Units: 5 **Lecture Hours:** 63 **Lab Hours:** 81 **Outside Hours:** 126
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: Prerequisite: WELD 101 with a minimum grade of C

This welding course focuses on skills required to fabricate a project from an engineering drawing to the finished product. Emphasis is placed on interpreting engineering drawings, proper use of tools and equipment, math, and shop safety.

WOMEN'S STUDIES**WSTU 101 - Introduction to Women's Studies (CSU, UC)**

Units: 3 **Lecture Hours:** 54 **Lab Hours:** 0 **Outside Hours:** 108
Grading Method: Letter **Credit Status:** Credit, degree applicable
Conditions of Enrollment: None

This interdisciplinary course introduces students to the field of women's studies. The history of feminism, feminist thought, and women's studies as an academic discipline will be examined and assessed. The social construction of sex, gender, and sexuality, the representation of women in American society, and the role of women in American institutions will be analyzed from theoretical perspectives of various academic disciplines. Feminist perspectives will be utilized to critically analyze race, ethnicity, social class, sexuality and age as they correlate with sex and gender in American society.

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Dean, Student Learning

Abiodun Osanyinpeju, Ph.D.

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Tina Kuperman

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Lydel Willis

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Andrei Yermakov

Chief Technology Officer



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Guided Pathway Division Chairs

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Business and Industrial Studies

Dr. Valerie Woodward

*Fine Arts, Communications and
Humanities*

Dr. Shirley Thomas

Health and Public Services

Dr. Donald Roach

*Science, Technology, Engineering and
Math (STEM)*

Dr. Kendahl Radcliffe

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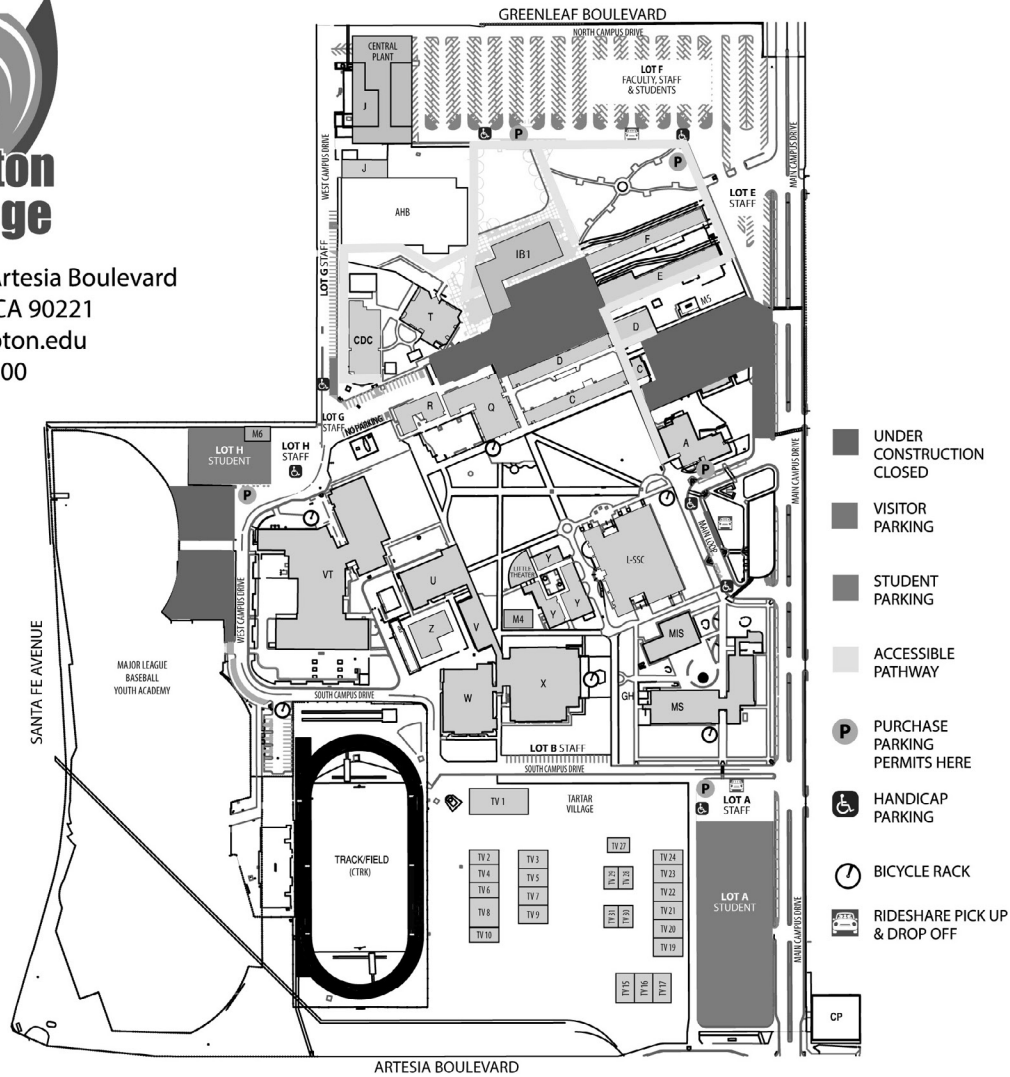
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<p>A Administration Building: Admissions & Records, Boardroom, Community Relations, Counseling, Mailroom, Office of the President/CEO, Student Services</p> <p>AHB Allied Health Building: Dean of Student Learning (Guided Pathway Divisions: Health & Public Services and Science, Technology, Engineering and Math (STEM)), Classrooms</p> <p>C Academic Affairs, Copy Center, Bursar's Office, Administrative Services, Human Resources, and ITS Helpdesk</p> <p>CDC Child Development Center / Infant Center</p> <p>CP Public Safety Building: Campus Police</p> <p>CTRK Track/Field</p> <p>D Classrooms, Outreach & School Relations, Transfer & Career Center, Welcome Center</p> <p>E Classrooms, Financial Aid</p> <p>F Classrooms, Veterans Resource Center</p> <p>GH Greenhouse</p> <p>IB1 Instructional Building 1</p> <p>J Facilities, Maintenance, and Shipping & Receiving</p> <p>L-SSC Library-Student Success Center: Computer Labs, Dean of Student Success (Guided Pathway Division: Fine Arts, Communication and Humanities) Math & Science Center, Reading & Writing Center, STEM Center, Tutoring</p> <p>MS Mathematics Science Building: Classrooms, Observatory</p>	<p>MIS Management Information Systems</p> <p>M4 St. John's Student Health Center</p> <p>M5 Upward Bound Math & Science</p> <p>M6 Bond Trailer</p> <p>Q Cafeteria, Faculty & Staff Lounge, Student Lounge, Tartar Pantry</p> <p>R Bookstore, Student Development Office</p> <p>T Abel B. Sykes Jr. Child Development Center</p> <p>TV Tartar Village: Classrooms, Institutional Effectivness</p> <p>U EOPS/CARE</p> <p>V Classrooms, Foster & Kinship Care Education, Student Equity</p> <p>VT Vocational Technology Building: Dean of Student Learning (Guided Pathway Divisions: Business & Industrial Studies and Social Sciences), Distance Education, CalWORKS, Smog Check Referee Center, Special Resource Center (DSPS)</p> <p>W Athletics</p> <p>X Gymnasium, Weight Room</p> <p>Y Classrooms, Little Theater</p>
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