Board of Trustees San Mateo County Community College District

Skyline College is part of the San Mateo County Community College District, which also operates Cañada College in Redwood City and College of San Mateo. The District and its Colleges are governed by a six-member Board of Trustees, five elected at large for four-year terms by county voters and one elected by students in the District for a one-year term.

Jannett Jackson, Ph.D., Interim President, Skyline College

Board of Trustees, San Mateo Community College District:

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Ron Galatolo, District Chancellor

Skyline College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 10 Commercial Boulevard, Suite 204, Novato, CA 94949, (415) 506-0234, an instructional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at skylinecollege.edu/accreditation or www.accjc.org.

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

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# Introduction to College

## Campus Directory

Main Line (650) 738-4100

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<tr>
<th>For Information About</th>
<th>Ext.</th>
<th>Bldg-Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Support &amp; Learning Technologies Division</td>
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<td>Admissions and Records Fax (Admissions and Records)</td>
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<td>African Diaspora Program</td>
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<td>ASSC (Student Government)</td>
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<td>Skyline View, The (Student Newspaper)</td>
<td>4302</td>
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<td>Social Science/Creative Arts Division</td>
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<td>Study Abroad Program</td>
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<td>Surgical Careers</td>
<td>4470</td>
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<td>Veterans' Certifying Official</td>
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<td>Veterans Resource Center</td>
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<td>Vice President of Instruction</td>
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<td>Vice President of Student Services</td>
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<tr>
<td>Wellness</td>
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# Important Dates Calendar

## Summer Semester 2019

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<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>July 4</td>
<td>Independence Day (Holiday)</td>
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<tr>
<td>July 6</td>
<td>Last Day to Apply for AA/AS Degree or Certificate for Summer Award</td>
</tr>
<tr>
<td>July 20</td>
<td>Six-Week Summer Session Ends</td>
</tr>
<tr>
<td>July 27</td>
<td>Seven-Week Summer Session Ends</td>
</tr>
<tr>
<td>August 3</td>
<td>Eight-Week Summer Session Ends, Second Five-Week Summer Session Ends</td>
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<tr>
<td>August 8</td>
<td>Summer Grades Available on Websmart</td>
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## Fall Semester 2019

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>August 12, 13</td>
<td>Flex Days (No Classes)</td>
</tr>
<tr>
<td>August 14</td>
<td>Day and Evening Classes Begin</td>
</tr>
<tr>
<td>August 27</td>
<td>Last Day to Drop Semester Length Class With Eligibility for Partial Refund</td>
</tr>
<tr>
<td>August 31, September 1</td>
<td>Declared Recess</td>
</tr>
<tr>
<td>September 2</td>
<td>Labor Day (Holiday)</td>
</tr>
<tr>
<td>September 3</td>
<td>Census Day</td>
</tr>
<tr>
<td>October 4</td>
<td>Last Day to Apply for Degree - Certificate</td>
</tr>
<tr>
<td>October 9</td>
<td>Flex Day</td>
</tr>
<tr>
<td>November 9, 10</td>
<td>Declared Recess</td>
</tr>
<tr>
<td>November 11</td>
<td>Veteran's Day (Holiday)</td>
</tr>
<tr>
<td>November 13</td>
<td>Last Day to Withdraw From Semester Length Classes</td>
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<tr>
<td>November 28</td>
<td>Thanksgiving Day (Holiday)</td>
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<tr>
<td>November 29 - December 1</td>
<td>Declared Recess</td>
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<tr>
<td>December 10-16</td>
<td>Final Examinations (Day and Evening Classes)</td>
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<tr>
<td>December 16</td>
<td>Day and Evening Classes End</td>
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<tr>
<td>December 24- January 1</td>
<td>Winter Recess (Total of Seven District Work Days)</td>
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### Spring Semester 2020

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<th>Date</th>
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<tbody>
<tr>
<td>January 10</td>
<td>Flex Days - No Classes</td>
</tr>
<tr>
<td>January 13</td>
<td>Day and Evening Classes Begin</td>
</tr>
<tr>
<td>January 18, 19</td>
<td>Declared Recess</td>
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<tr>
<td>January 20</td>
<td>Martin Luther King Jr. Day</td>
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<tr>
<td>January 27</td>
<td>Last Day to Drop Semester Long Classes with Eligibility for Partial Refund</td>
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<tr>
<td>January 27</td>
<td>Last Day to Add Semester Length Classes</td>
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<tr>
<td>February 2</td>
<td>Last Day to Drop Semester Length Classes Without Appearing on Record</td>
</tr>
<tr>
<td>February 3</td>
<td>Census Day</td>
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<tr>
<td>February 14</td>
<td>Lincoln's Birthday (Holiday)</td>
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<td>February 15, 16</td>
<td>Declared Recess</td>
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<td>February 17</td>
<td>President's Day (Holiday)</td>
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<td>March 5</td>
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<td>March 29- April 4</td>
<td>Spring Recess</td>
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<td>March 31</td>
<td>Cesar Chavez Day Observed</td>
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<tr>
<td>April 23</td>
<td>Last Day Withdraw From Semester Length Classes</td>
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<td>May 16-22</td>
<td>Final Examinations (Day and Evening Classes)</td>
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<td>May 22</td>
<td>Day and Evening Classes End</td>
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<tr>
<td>May 22</td>
<td>Commencement Ceremony</td>
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<td>May 23, 24</td>
<td>Declared Recess</td>
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<td>May 25</td>
<td>Memorial Day (Holiday)</td>
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<td>June 1</td>
<td>Spring Grade Available on WebSMART</td>
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### Summer Session 2020

<table>
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<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>July 15 - July 25</td>
<td>Six-Week Summer Session</td>
</tr>
<tr>
<td>June 15 - August 1</td>
<td>Seven-Week Summer Session</td>
</tr>
<tr>
<td>June 15 - August 8</td>
<td>Eight-Week Summer Session</td>
</tr>
<tr>
<td>July 3</td>
<td>Independence Day - Holiday</td>
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President’s Message

Welcome to Skyline College

As the Interim President of Skyline College, I am immensely proud to serve an institution that is so fundamentally motivated by a commitment to equity. The work being done at Skyline College leads the way for community colleges across the nation, and over the next year I will strive to ensure that the work of Skyline College’s comprehensive redesign continues to move forward. It’s too important to pause even for a moment.

I want to paraphrase a message from the recently retired President, Dr. Regina Stanback-Stroud. Her message accurately reflects my commitment to diversity, equity, access, and the success of all students.

Transformational opportunities are all around us; every day the campus community makes a very conscious choice to achieve more – to transform ourselves, our points of view, and the world around us. Looking for transformational opportunities across every aspect of our campus community allows us to act upon them wherever and whenever we can. It is this commitment to forward-looking change that drives us to put students first.

Completing college is one of the most significant steps a person can take to improve their life circumstances. And we believe students should be able to:

- easily apply to college without being confused by the process;
- access the resources they need to succeed; and
- efficiently navigate their pathway to their educational goal

It is up to us to provide the tools to help them to go out into the world and make their mark.

I emphatically believe that “educators and students should never surrender to the status quo”. Skyline College continues to demonstrate that we embrace transformation; and our commitment to work together means we can empower and transform the world around us.

Sincerely,

Jannett Jackson
Ed.D.
Interim President
Skyline College

Skyline College is one of three comprehensive community colleges within the San Mateo County Community College District. The District also includes Cañada College in Redwood City, and the College of San Mateo. Opened in 1969, Skyline College is located just south of San Francisco in San Bruno on a site overlooking the Pacific Ocean. The College serves a diverse population, drawing a wide ethnic and socio-economic range of local and international students to its dynamic campus.

Skyline College is committed to developing culturally rich and globally informed educational opportunities for an annual population of over 17,000 students.

Students can choose from more than 100 degree and certificate programs to achieve their educational goals in an affordable and supportive environment. Key transfer agreements set with a wide range of public and private colleges including UC Berkeley, UCLA, UC Davis and San Francisco State University make Skyline College a top destination for students hoping to transfer to a four-year college or university.

Skyline College is also committed to preparing a highly skilled workforce and has been recognized nationally for its efforts. Skyline College and the Workforce Investment Board (WIB) have worked with Genentech and other biotechnology companies to place workers trained by the college in jobs formerly limited to those with four-year degrees.

Our College mission to empower and transform a global community of learners informs our campus-wide “Call to Consciousness” that highlights the value of examining everything we do through the lens of social justice, both as educators and as students. Educators at Skyline College are committed to a culture of inquiry and innovation that continually surfaces new ways of enhancing academic excellence through campus diversity and equity.

The College brings together complementary student success resources within academic divisions to provide excellent educational programs, state-of-the-art technology, and integrated services and instruction that strive to seamlessly blend education with the resources that enhance it.

**The Mission-Vision-Values (MVV) Of Skyline College**

**Mission Statement**

To empower and transform a global community of learners.

**Vision Statement**

Skyline College inspires a global and diverse community of learners to achieve intellectual, cultural, social, economic and personal fulfillment.

**Values Statement**

*Education is the foundation of our democratic society. Thus:*

**Social Justice:** We are committed to a comprehensive diversity framework that promotes social justice throughout all policies, procedures, and practices of the College.

**Campus Climate:** We value a campus-wide climate that reflects a ‘students first philosophy’ with mutual respect between all constituencies and appreciation for diversity. Both instruction and student services are dedicated to providing every student with an avenue to success.

**Open Access:** We are committed to the availability of quality educational programs and services for every member of our community regardless of level of preparedness, socio-economic status, gender, gender expression, sexual orientation, cultural, religious, or ethnic background, or disability status. We are committed to providing students with open access to programs and responsive student services both in person and online that enable them to advance steadily toward their goals.

**Student Success and Equity:** We value students’ success in achieving their goals, on-time, and strengthening their voices as they transform their lives through their educational experience. We aim to identify and address equity gaps through evidence-based research to ensure that each student has the opportunity to succeed.

**Academic Excellence:** We value excellence in all aspects of our mission as a comprehensive community college offering preparation for transfer to a baccalaureate institution, workforce and economic development through career technical education programs and certificates, Associate of Arts and Associate of Science degrees, a baccalaureate degree, basic skills development, and lifelong learning. We are committed to academic rigor and quality with relevant, recent, and evolving curricula and well-equipped programs that include new and emerging areas of study. We are dedicated to an educational climate that values creativity, innovation and freedom of intellectual exploration, discovery, thought, and exchange of ideas.

**Community Partnerships:** We value a deep engagement with the community we serve through collaborating with local school districts, industry, non-profits, government and the arts. Valuing our role as an academic and cultural center, we are dedicated to meeting the needs of the labor market and community.

**Participatory Governance:** We value just, fair, inclusive, and well understood, transparent governance processes based upon open and honest communication.

**Sustainability:** We value an institutional culture that represents a strong commitment to environmental sustainability and justice. We are committed to the tenets of sustainability “To meet present needs without compromising the ability of future generations to meet their needs.”
General Information College Goals

1. Develop the scope, quality, accessibility and accountability of instructional and student service offerings, programs, and services to lead the San Francisco Bay region in transferring students, awarding degrees and certificates and reflecting social and educational equity.
2. Enhance institutional effectiveness in planning and decision-making processes through cooperative leadership, effective communication and participatory governance.
3. Fulfill the college’s role as a leading academic and cultural center for the community.
4. Provide human, physical, technological and financial resources to assure excellent educational programs and student services in order to support students in attaining their educational goals and improve institutional effectiveness.
5. Recruit, retain and support a world-class faculty, staff and administration that is committed to ongoing improvement through access to opportunities for professional growth and advancement.
6. Play a central role in the preparation of the region’s workforce and expand networks and partnerships with businesses, the community and non-profit organizations.
7. Establish and maintain fiscal stability and alignment of programs and services to the core Mission – Vision – Values of the college.
8. Internationalize the educational experience by enriching the college with a diverse community of learners representing the collective resources of humanity and engaging in a vibrant dialogue that engenders an understanding of others.

Diversity Is Valued At Skyline College

Diversity is valued at Skyline College. Skyline College, through its ‘student-first philosophy,’ values diversity as demonstrated through its institutional values and commitment to social justice and educational equity. The College is committed to mutual respect between all constituencies and availability of quality educational programs and services for every member of our community regardless of level of preparation, socioeconomic status, cultural, religious or ethnic background, or disability. The institutional culture creates opportunities for engagement through fair, inclusive, and transparent processes based on an open and honest collegial environment. Hence, the foundation of our mission, vision and values statement is to empower and transform a global community of learners.

Institutional Student Learning Outcomes

Upon completing an A.A./A.S. degree and/or transfer preparation, students will show evidence of ability in the following core competency areas:

1. Critical Thinking:
2. Effective Communication:
3. Citizenship:
4. Information Literacy:
5. Lifelong Wellness:

San Mateo County Community College District Mission Statement

Preamble

The Colleges of the San Mateo County Community College District, Cañada College, College of San Mateo, and Skyline College, recognizing each individual’s right to education, provide the occasions and settings which enable students to develop their minds and their skills, engage their spirits, broaden their understanding of social responsibilities, increase their cultural awareness, and realize their individual potential. The District actively participates in the economic, social, and cultural development of San Mateo County. In a richly diverse environment and with increasing awareness of its role in the global community, the District is dedicated to maintaining a climate of academic freedom in which a wide variety of viewpoints is cultivated and shared. The District actively participates in the continuing development of the California Community Colleges as an integral and effective component of the structure of public higher education in the State.

SMCCCD Mission

In an atmosphere of collegiality and shared responsibility, and with the objective of sustaining open access for students and being responsive to community needs, the Colleges of the San Mateo County Community College District will fulfill the following mission with excellence:

1. Provide a breadth of educational opportunities and experiences which encourage students to develop their general understanding of human effort and achievement; and
2. Provide lower division programs to enable students to transfer to baccalaureate institutions; and
3. Provide career and technical education and training programs directed toward career development, in cooperation with business, industry, labor, and public service agencies; and
4. Provide basic skills education in language and computational skills required for successful completion of educational goals; and
5. Provide a range of student services to assist students in attaining their educational and career goals; and

6. Provide self-supporting community education classes, contract education and training, and related services tailored to the human and economic development of the community; and

7. Provide leadership in aligning educational programs and services offered by all local educational institutions and community service organizations; and

8. Celebrate the community’s rich cultural diversity, reflect this diversity in student enrollment, promote it in its staff, and maintain a campus climate that supports student success.

To fulfill this educational mission, the District is committed to effective institutional research that supports the evaluation and improvement of programs, services, and student outcomes. Participatory governance is practiced through processes that are inclusive with regard to information sharing and decision making, and that are respectful of all participants. The District plans, organizes, and develops its resources to achieve maximum effectiveness, efficiency, equity, and accountability.

The Mission is evaluated and revised on a regular basis.

**Statement On Academic Freedom**

Per Board Policy 6.35, Skyline College and the San Mateo County Community College District are dedicated to maintaining a climate of academic freedom encouraging the sharing and cultivation of a wide variety of viewpoints. Academic freedom expresses our belief in inquiry, informed debate and the search for truth; academic freedom is necessary in order to provide students with a variety of ideas, to encourage them to engage in critical thinking and to help them understand conflicting opinions.

Academic freedom encompasses the freedom to study, teach, and express ideas, including unpopular or controversial ones, without censorship or political restraint. Academic freedom, rather than being a license to do or say whatever one wishes, requires professional competence, open inquiry and rigorous attention to the pursuit of truth.

The District’s faculty have the right to express their informed opinions which relate, directly or indirectly, to their professional activities, whether these opinions are expressed in the classroom, elsewhere on campus or at college-related functions. In a search for truth and in a context of reasoned academic debate, students also have the right to express their opinions and to question those presented by others.

Employment by the District does not in any way restrict or limit the rights enjoyed by faculty under the California and United States Constitutions. Faculty members are free to speak and write publicly on any issue, as long as they do not indicate they are speaking for the institution.

Protecting academic freedom is the responsibility of the college community. Therefore, in a climate of openess and mutual respect, free from distortion and doctrinal obligation, the District protects and encourages the exchange of ideas, including unpopular ones, which are presented in a spirit of free and open dialogue and constructive debate.

**Accreditation**

Skyline College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, 10 Commercial Blvd., Suite 204, Novato, CA 94949, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. The Office of Private Postsecondary Education also approves Skyline College to offer courses to U.S. Veterans for collection of veterans’ benefits. The accreditation reports and approval are available for review at [http://skylinecollege.edu/accreditation/index.php](http://skylinecollege.edu/accreditation/index.php).

**Licensure Eligibility Requirements**

How to Enroll

Admission Requirements
Admission to Skyline College is governed by the laws of the State and supplementary regulations, as have been prescribed by the Board of Trustees.

The following persons are eligible to enroll in Skyline College:

• Any high school graduate, OR
• Any person possessing a GED or a California high school proficiency certificate, OR
• Any person 18 years of age or older who may benefit from instruction, OR
• A high school student with special approval.

The Admissions and Records staff has identified the following Student Learning Outcomes for the various services provided by the Office of Admissions and Records:

1. High School Concurrent Enrollment Admission: High school students in the Concurrent Enrollment Program will be able to successfully complete the admissions process.
2. Resolving Registration Hurdles: Students are able to successfully navigate and resolve registration conflicts.
3. Degree/Certificate Self-Evaluation: Students will be able to self-assess their degree/certificate progress.

Admission Procedures
Once an admission application is completed, students are defined by the following groups:

New Students: Are those who meet at least one of the admission requirements and must complete the core services of orientation, assessment process, and counseling meeting prior to registration. See the Steps to Successful Enrollment. New students should bring a copy of transcripts (whether from high school or from another college attended) to the counseling appointment.

Former (Returning) Students: Former students are those who have had a lapse of at least two semesters (excluding summer semester) between enrollment periods. Former students will reapply for admission by updating their online OpenCCC account.

Students with a Disability: Contact the Disability Resource Center at (650) 738-4280 for information about accommodations available on campus. Submit an application for services. See “Disability Resource Center” in the Student Resources section.

Concurrent Students: Concurrent students shall provide a College Connection Concurrent Enrollment Course Request. Form with parent and high school designee signatures certifying approval of college courses to the Admission and Records office. Concurrent students must submit this form every semester.

International Students: Submit an Admission Application and other documents as requested. Find more information on applying as an international student at the International Student website.

Non Resident Students: Students who have not been California residents for a full year before the opening day of a term should see “Residence Requirements for Admission” for more information about residency criteria and/or a change in status.

Transfer Students: Submit official transcripts from other colleges you have attended to Admissions & Records office. Meet with a counselor to determine completion of prerequisites and/or graduation requirements.

Veterans: Submit form DD-214 to Office of Admissions & Records along with transcripts from all previous colleges attended. The process to apply for and certify VA Educational Benefits is outlined at www.skylinecollege.edu/veterans (See Veterans Admission and Services section for additional details).

Admission Special Programs
Special programs require an additional application as a supplement to the College Admissions Application. Each special program has an application deadline date. Admission and program applications, as well as program information, are available online at www.skylinecollege.edu/apply from the department website.

Automotive Technology: The DAY Automotive Technology Program is by special application only. No application is required for evening or weekend classes. Find more information at http://www.skylinecollege.edu/automotive/apply.php.

Cosmetology: Find more information on applying to the Cosmetology program at www.skylinecollege.edu/cosmetology/admissions.php.

Honors Transfer Program: Students are encouraged to apply for the program at www.skylinecollege.edu/honorstransfer/.

Respiratory Care: One class of students begins each year. Applications are due in spring for the Fall Semester. Find more information on applying to the Respiratory Therapy program at www.skylinecollege.edu/respiratorycare/.

Surgical Technology: This is a one year program that includes hospital rotations. Applications are due in spring for the Summer Session. Find more information
on applying to the Surgical Technology program at www.skylinecollege.edu/surgicaltech/application.php.

**Varsity Athletics:** A student must adhere to the California Community College Constitution and Bylaws and Coast Conference eligibility rules and regulations. Contact the Kinesiology, Athletics and Dance Division to complete an eligibility form.

**Concurrent High School Students**

**College Connection Concurrent Enrollment Program** High school students may be admitted to courses when their high school schedule permits attendance and when there is reasonable expectation of success in the courses.

Students attending high school may register concurrently for Skyline College classes. Interested students must submit an online application and a **Course Request Form**.

Applications are available at skylinecollege.edu/outreach/concurrentenrollment.php.

**Requirements for admission are as follows:**

1. Enrolled in high school.
2. High school academic grade point average of 2.0, a C, is recommended.
3. Parent/guardian permission to enroll.
4. Principal or designee's permission to enroll.

**Cost for concurrent enrollment:**

1. No enrollment or Student Representation fees are charged for students who are registered for less than 11 units. The Student Union fee (Fall and Spring Semesters only) of $1 per unit ($5 maximum per semester) and the Health fee are waived. All fees are charged for full-time enrollment (11 or more units).
2. Parking fees must be paid if parking a vehicle on campus.
3. Materials fees, if required for a course.

Because of enrollment limitations, high school students may not be permitted to enroll in classes in certain programs.

High school students will be admitted only into courses that have space available. The final decision for admission of any student to any class rests with Skyline College. The student will be required to fulfill necessary prerequisites for courses.

Students participating in the Concurrent Enrollment Program will receive college credit for all coursework completed. Students may request that a transcript of college coursework completed be sent to their high school registrar to be considered for credit toward high school graduation.

**International Students**

The goal of the **International Student Program** is to provide educational opportunities for international students and to promote international understanding on campus and in the community.

The following regulations govern the admission of F-1 Visa students to Skyline College:

1. Have the ability to pay international student tuition, application, enrollment and health fees. The **International Student Program Expenses** provides the current list of fees.
2. Complete a full course of study (a minimum of 12 units each Fall and Spring semester). In accordance with SEVIS regulations, failure to do so will cause a student to be reported as out of status.
3. Meet criteria for admission:
   a. Submit a completed **International Student Application**.
   b. Demonstrate English proficiency with a minimum TOEFL score of 480 paper based, 56 internet based, or IELTS of 5.5. Skyline College does not issue an I-20 for English as a Second Language study.
   c. Must have earned the equivalent of an American high school diploma. The student must submit official academic records. Foreign language documents must be accompanied by a certified English translation.
   d. Must offer evidence of financial responsibility. Certification of Parent, Self, or Sponsor support is required. Official bank statements must be translated into English.
   e. Submit original or certified copies of transcripts of any college coursework completed. Foreign language transcripts must be accompanied by a certified English translation. Approved foreign transcript evaluation services are:

   **International Education Research, Inc.**
   P.O. Box 3665
   Culver City, CA 90231-3665
   Phone: (310) 258-9451
   Fax: (310) 342-7086

   **World Education Service Bowling Green Station**
   P.O. Box 5087
   New York, NY 10274-5087
   Phone: (212) 966-6311
Applicants who have attended other American schools or colleges may be considered for admission provided the applicant meets Skyline College admission requirements and is in status with U.S. Immigration and Citizenship Services.

4. Meet academic standards requirements.
5. Observe College rules and regulations.
6. Enroll in a medical health insurance plan provided by a private carrier through the San Mateo County Community College District.
7. Comply with U.S. Federal Code, Department of Homeland Security (DHS), and Citizenship and Immigration Services (CIS) regulations that pertain to F-1 Visa students.
8. Please refer to www.skylinecollege.edu/international for more information.

F-1 Visa Concurrent Enrollment

Students enrolled full time at another institution from which they have a valid I-20 are permitted to enroll at Skyline College on a part-time basis. Enrollment may not exceed two classes or total more than six units. F-1 Visa students must pay all appropriate fees. A permission letter from the home school is required for every semester of attendance.

The International Student Program faculty and staff have identified the following Student Learning Outcomes for the various services provided by the International Student Program:

1. International students at Skyline College will demonstrate their understanding of the SEVIS/immigration regulation for maintaining their legal status.
2. International students at Skyline College will utilize academic advising services as well as other support services by ISP staff members.

Residency Requirements

Residency determination is made for each student at the time the application for admission is received. An application must be submitted by new and returning students (did not attend for two consecutive semesters). The burden is on the student to demonstrate clearly, with proof, both physical presence in California and intent to establish California residence. California Education Code, Sections 68000-70902.

Rules of Residency Adults over 19 years of age:

A student over 19 years of age may establish California residency by meeting the following criteria:

1. Verification of physical presence in California one year and one day prior to the day before the start of the semester. Residence is determined by actions and intent. The one-year period begins when a person is not only present in California but also has demonstrated clear intent to become a permanent resident of California.
2. Intent to make California a permanent place of residence can be verified by the following actions:
   1. live in California for two consecutive years
   2. own residential property or continuously occupy rented or leased property in California
   3. register to vote and vote in California
   4. licensing from California for professional practice
   5. hold active membership in service or social clubs
   6. show California as a home address on California State and Federal Tax forms
   7. spouse, children, or other close relative reside in California
   8. pay California State tax as a resident
   9. possess a California driver’s license
   10. possess California motor vehicle license plates and registration
   11. maintain California as the home of record on Leave and Earnings statement while in the armed forces
   12. establish and maintain active California bank accounts
   13. petition for divorce as a resident of California.
3. Conduct inconsistent with a claim of California residency includes but is not limited to:
   1. maintaining voter registration in another state
   2. attending an out-of-state institution as a resident of that state
   3. declaring non-residence for California State income tax purposes
   4. renewing a driver’s license and/or registering a vehicle in another state during the time period for which California residency is claimed

Rules of Residency - Minors 18 years of age or under:

1. A married student under 18 years of age may establish residency in the same manner as an adult.
2. An unmarried student under 18 years of age derives residency from the parent with whom he/she last resided. The student may be classified as a resident if the parent with whom he/she last resided has been a legal resident of California for more than one year immediately preceding the semester of admission.
**Resident Classification:** A student is entitled to resident classification under the following circumstances:

1. Student has been present in California for more than one year prior to the semester of admission and has been entirely self-supporting for that time and met the residency requirements.
2. Student is a permanent resident alien over 18 years of age and has resided in California as a permanent resident more than one year prior to the semester of admission.
3. Student is a permanent resident alien under 18 years of age and has resided with parent(s) who has been a permanent resident(s) more than one year prior to the semester of admission.
4. Student is a full-time employee of a public school district or state agency.
5. Student is an apprentice and provides evidence of such apprenticeship status.
6. Student earns livelihood primarily by performing agricultural labor for hire in California for at least two months per year in each of the two years preceding the semester of admission.
7. Student lived with parent(s) who is (are) agricultural laborer(s) as specified in number 6 above and is claimed as a tax dependent.
8. Minor student has been under continuous care and control of adult(s), not a parent, for more than two years prior to the semester of admission. Such adult(s) must have been California resident(s) during the most recent year.

**Exceptions:** A student is entitled to resident classification for the minimum time necessary to become a resident if the following circumstances apply:

1. A minor student in continuous attendance, whose parents had established California residence (for one year), and who left the state may be classified as a resident until he/she has attained the age of 18 years and may achieve residency on his/ her own.
2. A student is on active duty in the military service, stationed in California, and has not been assigned to California for educational purposes.
3. Meets criteria as a foster youth.
4. A student who is a dependent child (i.e., natural, adopted, or step) or spouse of an active military service person stationed in California is given resident classification for the minimum time necessary to become a resident.
5. A student is a full-time employee, or child or spouse of a full-time employee, of an educational institution or any California State Agency may be entitled to resident classification for the minimum time necessary to establish residency.

**Non-Resident Determination**

A student classified as a non-resident will be required to pay tuition at the time of enrollment. Non-immigrants precluded by the Immigration and Nationality Act from establishing residency in the United States include, but may not be limited to, those with B-1, B-2, C, D-1, D-2, F-1, F-2, H-2, H-3, J-1, J-2, M-1, M-2, O-2, P-1, P-2, P-3, P-4, Q, TN and TD visas and their dependents. Any student not holding a valid visa is precluded from establishing California residence. Non-immigrants who are not precluded from establishing residence solely on the basis of their status as aliens may be classified as residents if they meet the requirements of State law. Information regarding Nonresident tuition fees and refunds may be found in the Fees/Refund Policy section of this Catalog.

**Incorrect Classification:** Nonresident students enrolled without payment of fees because of falsification of information shall be excluded from classes upon notification pending payment of fees. Written notification may be given at any time. Students excluded because of falsification shall not be readmitted during the semester or summer session from which they were excluded, nor shall they be admitted to any following semester or summer session until all previously incurred tuition obligations are paid.

If a student is erroneously determined to be a nonresident and a tuition fee has been paid, the fee is fully refundable, provided acceptable proof of state residence is presented within the period for which the fee was paid.

**Reclassification:** Reclassification to resident status must be requested by the student. Financial independence during the current year and preceding two years will be considered at the time the student requests reclassification. Information regarding requirements for reclassification is available in the Office of Admissions and Records.

Participation as a member of a varsity athletic team does not qualify a non-resident student for resident status.

Limitation of Residency Rules: If this summary of rules regarding residency determination does not provide a complete explanation, contact the Office of Admissions and Records. Students should also note that changes may have been made in the statutes and in the regulations between the time this statement is published and the beginning of the semester for which they are applying.

**Non-Resident Tuition Exemption**

Tuition exemption forms are available on the college website, under “Forms”, for students who wish to be considered for this exemption under State Law AB540.

1. Any nonresident AB540 student, other than a nonimmigrant alien, who meets all of the following requirements, may be exempt from paying nonresident tuition at a California Community College:
1. The student attended a high school (public or private) in California for three or more years, OR
2. Has a combination of three or more years of California elementary, secondary and high school coursework, AND
3. The student has graduated or will graduate with a California high school diploma or have the equivalent (i.e. California-issued GED, CHSPE) OR
4. Has completed or will complete an Associate’s Degree from a California Community College
5. Has completed or will complete the minimum requirements at a California Community College for transfer to the California State University or the University of California.

Any student seeking an exemption shall complete a self-attestation form prescribed by the State Chancellor’s Office verifying eligibility for this nonresident tuition exemption. The student may be required to provide documentation for the information provided on the self-attestation to verify eligibility for an exemption. All nonpublic student information shall be confidential and shall not be disclosed unless required by law.

A student seeking this tuition exemption has the burden of providing evidence of compliance with the requirements of this section.

Nothing in this statute modifies eligibility standards for any form of student financial aid.

Nothing in this statute authorizes a refund of nonresident tuition that was paid for any term commencing prior to January 1, 2002.

AB2210

Education Code section 68075.6 grants an immediate nonresident tuition fee exemption to eligible Special Immigrant Visa (SIV) holders and refugee students who settled in California upon entering the United States. This exemption is granted for one year from the date the student settled in California upon entering the United States.

This exemption applies to the following:

- Refugee students admitted to the United States under Section 1157 of Title 8 of the United States Code.

Veterans Admission & Services

Veterans and Veterans' Dependent

Veterans Resources Center (VRC)

The Skyline College Veterans Resource Center (VRC) is located in Building 2, 3rd Floor, Room 2-350 and provides a respite from the college atmosphere. The VRC Staff is available to connect veterans and dependents to information on appropriate campus and community services, assist with access to educational benefits and help support a successful transition to college life. The center is dedicated to ensuring that a strong veteran community flourishes on campus and promoting superb support services for personal growth, development, and educational success. For further information visit the website at www.skylinecollege.edu/veterans.

VA Education Benefits

Skyline College offers instruction to veterans, service members, dependents and survivors of veterans, and to other eligible persons. The college assists students who are working toward an AA/AS degree, or certain transfer programs, with certification of benefits under the Montgomery GI Bill®, Chapters 30, (Veterans), Chapter 31 (Vocational Rehabilitation), Chapter 33 (the Post-9/11 GI Bill®), Chapter 35 (Veterans’ Spouses or Dependents), Chapter 1606 (Selected Reserve), Chapter 1607, and VEAP.

All veterans and/or dependents, except those under Chapters 31 and 33, pay for their own college tuition/fees. Veterans using Chapter 31 work with the School Certifying Official and campus bookstore to secure books and supplies.

Visit skylinecollege.edu/veterans and click on Educational Benefits or stop by the Veterans Resource Center (2-350) to learn about applying for VA Educational Benefits and the certification process. Veterans may check the status of VA Educational Benefits at www.ebenefits.va.gov.

The State of California provides a program for the children of veterans who are deceased or disabled from service connected causes. Applications and eligibility criteria are available at www.va.gov or from the San Mateo County Veterans Service Office, 550 Quarry Road, San Carlos, CA 94070, (650) 802-6598.

Transcripts and VA Education Benefits Certification

Veterans who have previously attended college must file official copies of all college transcripts with the Office of Admissions and Records within their first semester of attendance. Veterans must also submit a request for transcript evaluation of these courses through WEBSMART.
within their first semester of attendance. Transcripts must be received and transcript evaluation request must be submitted in order to receive second semester certification of VA education benefits.

Academic Probation and VA Education Certification

College policy regarding Academic Probation applies to all students and is available at http://catalog.skylinecollege.edu/1920/academic-standards/probation.php. In addition, student veterans using VA education benefits placed on Academic Probation for failure to maintain a 2.0 grade point average must improve their GPA within the following two semesters or the College is required to report a termination of the veteran's education benefits due to unsatisfactory academic progress (as defined by the Department of Veterans Affairs). More information is available from the Veterans Certifying Official in the Office of Admissions and Records Building 2, second floor.

Military Service Credit

For academic credit purposes, a veteran is defined as an honorably discharged member of the United States Armed Forces who was on active duty for one year or longer. Upon presentation of separation or discharge papers, qualifying veterans are exempted from the Physical Education requirement for the AA/AS degree. They are also granted six units of elective credit toward the AA/AS degree.

In addition, veterans who qualify may receive credit for military service schools toward the Associate in Arts/Science degree upon presentation of proof to the Office of Admissions and Records. Units of credit for military service (six units) and military service schools will be recorded and so annotated on the student's academic record.

For further information, contact the Veterans Certifying Official in the Office of Admissions and Records, Second floor, Building 2.

Military Withdrawal

Military withdrawal may be requested 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, a military withdrawal symbol (MW) will be assigned for each course if the withdrawal occurs after the period during which no notation is made for withdrawals on the student's record. Military withdrawals are not counted in progress probation and dismissal calculations. Students granted military withdrawal may request a refund of the enrollment fee. The entire enrollment fee will be refunded unless academic credit has been awarded.

Steps to Enrollment

You must complete the following Student Success Support Program (SSSP) steps before you register for classes if you selected one of the following educational goals on your application:

- Obtain an Associate Degree or Certificate
- Transfer to a university to complete a Bachelor's degree
- Improve your English, reading or math skills
- Discover career interests or prepare for a new career
- Undecided about your major

1. **COLLEGE ONLINE APPLICATION**
   - All new or former students applying to Skyline College must complete an online application to enroll in classes. Applications may be submitted online through Open CCC at www.cccapply.org. Upon completion of the online application a User ID and a Personal Identification Number (PIN) are issued which allow access to WebSMART.

2. **FINANCIAL AID**
   - Students who are US Citizens or Eligible Non-Citizens can apply for all types of Financial Aid at www.fafsa.gov. Students who meet the AB540, AB2000 or SB68 exemption requirements can apply for the California Dream Act at www.caldreamact.org.

3. **NEW STUDENT ORIENTATION**
   - Skyline College offers both in-person and online orientation to new students. New students are provided information about Orientation after completing their application. Both types of orientations cover important college policies and procedures, specific information about certificate, degree and transfer goals, and useful resources that help students be successful in achieving their goals. To register for Orientation please visit: http://www.skylinecollege.edu/orientation/ or call (650) 738-4318.

   NOTE: Skyline College offers ESOL New Student Orientations, for details, please contact the Counseling Center.

4. **ASSESSMENT AND PLACEMENT TESTS**
   - English and Math Assessment
     - All new and returning students who declare an educational goal of a Certificate, Associate Degree, and/or transfer to a four-year college or university, or plan to take an English/ESOL and Math course at Skyline College, may need to assess your skill level in English/ESOL or math before you register for classes.

   Skyline College offers students assessment through multiple measures to determine appropriate English and Math placement(s). Assessments determine your skill level in
reading, writing, and mathematics. For additional information about placement testing, testing exemptions, and multiple measures assessment, visit http://www.skylinecollege.edu/placement/index.php

5. COUNSELING & STUDENT EDUCATION PLAN DEVELOPMENT
New students will meet with a counselor as an important step in the enrollment process. Skyline College’s counseling service assist students in establishing their educational goals and identifying support services to achieve those goals. It is important to meet with a counselor each semester to:

a. Develop/update your Student Education Plan (SEP)
b. New Students must meet with a counselor to receive a registration date for WebSMART
c. Continuing students must have a current SEP on file to be eligible for priority registration
d. Discuss your academic progress
e. Continue to learn about and use important student services that enhance student success
f. Discuss any personal issues that may be impacting academic success

The Counseling Center provides comprehensive services for students who seek assistance in dealing with a variety of concerns. For more information, please visit: http://www.skylinecollege.edu/counseling/index.php.

6. REGISTRATION & FOLLOW-UP SERVICES
Students register for classes through WebSMART at all three San Mateo County Community College District campuses: Skyline College, College of San Mateo and Canada College. Fees are due at the time of registration. You may pay fees online by credit card or in person by credit card, cash, personal check or money order.

7. SUBMIT TRANSCRIPT
Before the end of the first semester at Skyline College, submit official transcripts from all external institutions to the Admissions and Records Office AND request an official evaluation of college-level credit through the Transcript Evaluation Service.

Modified SSSP services are available for students with disabilities. For more information contact the Disability Resource Center (DRC) at 650-738-4280.

Student Success & Support Program
Skyline College’s Student Success and Support Program (SSSP) is designed to provide support for students to complete their college courses, persist to the next academic term, and achieve their educational objectives.

As part of the SSSP, students agree to express a broad educational intent at the time of admission; declare a specific educational objective within a reasonable period of enrollment; complete the placement test or other assessments; confer with counselors for registration approval and discussion of educational and vocational choices; attend classes and complete assigned course work; seek out support services as needed; and complete courses and maintain progress toward an educational goal.

The State of California mandated SSSP services require that all new, non-exempt, matriculated students to Skyline College shall complete the “5 Steps to Enrollment” as provided by the College. The intent of these core services is to increase your opportunity for success in your academic pursuits. You are required to become a matriculated student unless you meet the exemption criteria.

You are a matriculated or non-exempt student if you have completed the core services of orientation, assessment process, and have met with a counselor to complete an abbreviated or comprehensive student education plan. All new, non-exempt students are required to complete all of the core services.

You are an exempt student if one or more of the following reasons apply and you can provide the necessary documentation:

1. You have completed an AA/AS or higher degree
2. You are enrolling at the college for a reason other than career development or advancement, transfer, attainment of a degree or certificate of achievement, or completion of a basic skills or English as Second Language course sequence
3. You have completed these services at another community college within a time period identified by the district
4. You are enrolling at the college solely to take a course that is legally mandated for employment or necessary in response to a significant change in industry or licensure standards
5. You are enrolling at the college as a special admit student pursuant to Education Code section 76001.

SSSP Exemptions
Any student exempt from orientation, assessment, counseling, advising, or student educational plan development may still participate in the core services (title 5, section 5532c).
District policies shall not exempt a student solely because a student has not selected an education and career goal or course of study (title 5, section 5532d).

You may be considered exempt from the core service requirements by completing the Student Success & Support Program Exemption Petition provided by the College. You will be asked to provide a completed petition and supporting documentation for consideration.

Assessment And Placement Testing Policy

Retest Policy

1. Math Placement results are valid for two years from the date the test was taken.
2. English/ESOL placement results, for the purpose of course placement and prerequisite skill level assessment, do not expire and remain valid indefinitely. If however, a significant amount of time has passed since the English or ESOL test was completed, a student may elect to repeat the placement test to secure an accurate assessment of current skill level.
3. If a student does not accept the recommended placement, he/she may retake the same placement test one additional time within a two-year period.
4. A student who has completed a course in the English, ESOL or math sequence may take the placement test to determine his/her current competency level in English, ESOL and math courses, if two years have elapsed since the course was completed.
5. For any other special circumstance, or with an instructor or counselor recommendation, a student may petition to retest through the Dean of Counseling.

Retrieving Placement Test Results

Placement test results will be available to students via WebSMART one hour after tests have been completed. Please go to [http://websmart.smccd.edu](http://websmart.smccd.edu). Click on the following (1) Student Services (2) Student Records (3) Placement Test Results.

Testing Exemptions & Multiple Measures Alternative Placement (MMAP)

If one of the following applies to you, you may be exempt from placement testing:

1. You have taken the placement tests in English or ESL and/or Math at Cañada College, Skyline College, or the College of San Mateo and test results are available for review. Please note that placement results for mathematics are only valid for two years from the date the test was taken.
2. You have taken a placement test at another California Community College and a Skyline College counselor has reviewed your results for equivalency.
3. You can show evidence of completed course work in English or ESOL and/or mathematics with a grade of “C” or better at a regionally accredited college or university in the United States. You may be exempt from the Math placement test if you can show evidence of...
4. Successful completion of the EAP (Early Assessment Program) test in mathematics. A passing score on the EAP Math test allows you placement into MATH 130 or 150 or 200 or 201 or 241; BUS 120 or 123; or PSYC 171. You must enroll in the appropriate MATH course in the Summer or Fall immediately following completion of your senior year in high school for the EAP results to be valid. If you do not enroll within this time frame, the Skyline College Placement Test will be required.
5. College Board Advancement Placement (AP) scores of 3, 4, or 5 in mathematics. Note: AP MATH Calculus AB results: a score of 3 allows you placement into MATH 251; a score of 4 or 5 allows you placement into MATH 252. AP Calculus BC results: a score of 3 allows you placement into MATH 252; a score of 4 or 5 allows you placement into MATH 253 or MATH 270. Students who intend to transfer to a four-year college or university are strongly recommended to consult with a Skyline College counselor to determine application of courses to lower-division transfer major requirements.
6. IB Math HL (International Baccalaureate Exam) results with a score of 4 or higher allows you placement into MATH 130 or 150 or 200 or 201 or 241; BUS 120 or 123; or PSYC 171.
7. CSU Math Placement Test (ELM) score of 50 or higher allows for placement into MATH 130, 200, 201, or 241; BUS 120 or 123; or PSYC 171.
8. American College Test (ACT) score of 23 or higher on the math test allows for placement into MATH 130, 200, 201, or 241; BUS 120 or 123; or PSYC 171.
9. College Board SAT Math Test score of 550 or higher allows for placement into MATH 130, 200, 201, or 241; BUS 120 or 123; or PSYC 171.
10. High School Transcripts: Cumulative high school GPA of 3.2 or higher AND a grade of “C” or higher in one of the following high school courses; Algebra II, Integrated Math 3, or Higher level math (Statistics, Trigonometry, Pre-Calculus, and Calculus). This option is available to currently enrolled high school students.
seniors or those who have completed high school within the last two years.

You may be exempt from the English placement test if you can show evidence of...

11. Successful completion of the EAP (Early Assessment Program) test in English. A passing score on the EAP English test allows you placement into ENGL 100. You must enroll in ENGL 100 in the Summer or Fall immediately following completion of your senior year in high school for the EAP results to be valid. If you do not enroll within this time frame, the Skyline College Placement Test will be required.

12. College Board Advanced Placement (AP) scores of 3, 4, or 5 in English Language and Composition or in English Literature and Composition allows you placement into ENGL 110 or ENGL 165.

13. IB Language A1/English HL score of 4 or 5 allows you placement into ENGL 100.

14. SAT results on Reasoning Test of 500 or above on the Critical Reading section of the test.

15. ACT English Usage Test with a score of 22 or higher allows you placement into ENGL 100.

16. CSU English placement (EPT) with a minimum score of 146 allows you placement into ENGL 100.

17. High School Transcripts: Cumulative high school GPA of 2.6 or higher OR a grade of B- or higher in your Junior or Senior English OR a grade of C or higher in AP English allows for placement into ENGL 100. Cumulative high school GPA of 2.0 – 2.5 OR a grade of C in your Junior or Senior English allows for placement into ENGL 105. This option is available to currently enrolled high school seniors or those who have completed high school within the last two years.

For forms and further information, please visit the Counseling Division website at http://www.skylinecollege.edu/counseling/(click on the Testing Exemption link).

Registration

Registration is conducted through WebSMART to enroll in classes, add and/or drop classes, access final grades, and pay college fees.

Students who have been continuously enrolled will receive an appointment to register each semester by email. Registration can be done on or after the registration appointment date. Fees are due at the time of registration. You may pay fees online by credit card or in person by credit card, cash, personal check or money order.

New students who intend to earn an Associate degree, transfer to a four-year college or university, earn a certificate from a vocational program, discover career interests/prepare for a new career, improve basic skills in English, reading or math, and those students who are undecided about their goal are expected to complete enrollment requirements.

New students who wish to take courses for personal enrichment, improve present job skills, satisfy requirements for another educational institution, or who have already earned an Associate or higher degree may utilize enrollment services but are not required to do so.

Registration Limitations

1. A student may take no more than 19 units in Fall and Spring semesters or 11 units in Summer Session without the special approval of a counselor, the Dean of Counseling, or the Dean of Enrollment Services. This unit limitation is inclusive of all courses in the day, evening, or weekend program, or at another college or university.

A program of 12 units or more is considered full-time in establishing eligibility for athletics, financial aid, International Student visas, Veterans benefits, and most other benefits which are dependent upon full-time enrollment status for maximum benefits. Some financial assistance programs pro-rate benefits based on a reduced unit load. Students should check with their program coordinator for specific unit requirements. Enrollment status is defined as follows: Full-time = 12+ units; three-quarter time = 9-11 units; half-time = 6-8 units; and less than half-time = .5-5.5 units.

2. A student may enroll in two sections of the same course during the same term only if one section ends before the other begins.

3. A student is not permitted to enroll in two or more different courses when the meeting times for the courses overlap. A petition may be made for extenuating circumstances. Forms are available online at skylinecollege.edu/counseling/forms.php.

4. A student will not be permitted to register in a course if three (3) attempts have been recorded for the same course. See “Course Repetition” under the Academic Standards section of this Catalog.

Choice Of College

Residents of the District may elect to attend Skyline College, College of San Mateo or Cañada College. In the event the capacity of a class or classes at one college is reached, students may be advised to enroll at one of the other colleges. Academic major and date of application will be considered if such diversion becomes necessary.
Registration Changes/Withdrawal

Prior to the beginning of the semester or summer session and throughout the Late Registration period, schedule changes are completed using WebSMART.

All schedule changes are the responsibility of the student. A student who is registered in a course and stops attending will not be automatically withdrawn and may receive a penalty grade. It is the student's responsibility to officially withdraw following prescribed procedures and timelines as published in the Class Schedule, on the Class Schedule Summary on WebSMART, or by looking at course information on the Web Schedule. Refer to Withdrawal from Classes for complete details on withdrawal procedures. Refer to Refund Policy for information on refunds.

Registration Priority

Priority Registration applies to specific groups of students, as identified by the California State Chancellor’s Office and the San Mateo County Community College District.

Priority status allows for early registration and is based on rules that apply the following criteria:

- Current Student Educational Plan (SEP) that is valid through the anticipated registration term(s)
- Completion of the Student Success and Support Program (if required), including Orientation, assessment and Counseling
- Academic Standing – Must be in good Academic Standing for two consecutive terms
- Units earned – Must have earned less than 100 Degree Applicable units

Rules apply to all priority groups, with the exception of Foster Youth.

Once criteria is met by the student, their registration status is determined and the appropriate registration date is assigned. Registration dates can be viewed on WebSMART, during the registration cycle of a term. Students who previously qualified for priority registration and/or the BOG Fee Waiver, but lost priority due to an Extenuating Circumstance, may file an appeal form with the Admissions and Records Office.

Remedial Coursework Limit

Remedial basic skills coursework is limited to 30 semester units of credit. Any student who can show significant progress toward the development of skills appropriate to his/her college enrollment may request a waiver of this limitation. Students enrolled in ESL courses or those with learning disabilities are exempt from this limitation.

First Class Meeting Attendance

Students who register for a class but do not attend the first class meeting may be replaced by other students. It is the student's responsibility to notify the instructor of delayed attendance or officially withdraw following established procedures and timelines published in the Class Schedule.

Auditing Of Courses

Skyline College allows auditing of courses, with the exception of courses in programs that require special preparation and/or program admission on a limited basis. A student may audit a course only under the following circumstances:

1. The student must have previously enrolled for credit for the maximum number of times allowed for the particular course.
2. The instructor of record for the course must approve the student's enrollment as an auditor.
3. The student must be in good academic standing.
4. If the course is offered for variable units, the student must enroll for the maximum number of units available.
5. The student must enroll as an auditor immediately following the published late registration period and pay the auditing fee.

Students who enroll in a course for credit have first priority for all classroom space. Students who wish to audit a course may enroll the week after the late registration period is concluded, though with the instructor's permission they are able to attend the course from the first class meeting. Students who wish to audit a course must obtain a COURSE AUDIT FORM available at skylinecollege.edu/counseling/forms.php. No student auditing a course shall be permitted to change his or her enrollment to receive credit for the course. An auditing fee, as established by California Education Code, is payable at the time of enrollment as an auditor, with the exception of students enrolled in ten (10) or more semester credit units.

Variable Unit Courses

Some courses are offered for variable units that are earned according to the amount of subject matter the student completes during the length of the course. When registering for a variable unit course, students should enroll in the number of units they plan to complete. Units may be adjusted using WebSMART registration. There will be no refunds for units not earned. Students earning additional units will be charged accordingly.

Open Classes

It is the policy of this District that, unless specifically exempted by statute, every course, course section or class shall be fully open to enrollment and participation by any person who has been admitted to the college(s) and who meets the prerequisites of the course, provided space is available. The policy is established pursuant to Chapter 11, Division 2, Part VI of Title 5 of the California Administrative Code.
Code, commencing with Section 51820. Enrollment may be limited in some courses due to space and equipment constraints.

**WebSMART Registration and Services for Students**

Your student WebSMART account is the vehicle to use to manage enrollment, view academic records, and maintain up-to-date student information. Visit the WebSMART website for available services in the area of:

**Registration**
- Check your registration status
- Add/drop classes
- Select variable units/grade mode
- Display class schedule
- Display and pay student fees

**Student Records**
- View holds
- Display grades
- Request/check status of official transcript
- View unofficial transcript
- Request enrollment verification

**DegreeWorks**
- Monitor progress of Degrees, Certificates and Transfer Certification

**Student Account**
- View account statements
- View payment history

**Financial Aid**
- Review overall status of Financial Aid Application
- Apply for a Board of Governors Fee Waiver
- Check Financial Aid Eligibility
- Review Financial Aid Award Information
- Access Government Services

**Student Services Appointments**
- Career Center
- Counseling
- New Student Orientation
- Placement Testing
- Transfer Center
- Writing/Reading Labs

**Parking Permit**
- Order/purchase parking permit

**Student Email**
- Access SMCCD email account
- Reset password

**Emergency Message Contact**
- Opt in to receive emergency messages via email and text

**Voter Information**
- Register to vote

**Update Student Information**
- Mailing address
- Email address
- Telephone/emergency text numbers

**DegreeWorks**

*DegreeWorks* is a degree audit tool to help students monitor progress toward degree and certificate completion and CSU GE and IGETC certification. DegreeWorks looks at the program requirements found in the College of San Mateo, Canada College, and Skyline College catalogs and the coursework completed to produce an easy to read audit. In addition, it includes a “what if” tool that allows students to view their progress toward the full range of our San Mateo Country Community District educational goals. DegreeWorks includes information about progress toward educational goals, academic history, a GPA calculator, and a Ed Plan (Student Educational Plan – SEP). Students can work with a counselor who will complete an SEP that is stored in DegreeWorks for an important academic planning resource for students. Students are encouraged to review DegreeWorks information and work with a counselor to engage in academic and career planning.

**Enrollment/Degree Verification**

Verification may be accessed and printed as a free service to students. Access Enrollment/Degree Verifications from the Student Records Menu on WebSMART.

**Transcripts**

A transcript is an official record of a student’s academic work at Cañada College, the College of San Mateo and Skyline College. A single transcript will contain a student’s work from all three colleges in the San Mateo County Community College District (SMCCCD). You will need to only request one transcript if you attended multiple colleges in this District.

SMCCCD has enlisted the help of Credentials Solutions to manage student records. Credentials Solutions will now provide transcript order, printing, and delivery service. Their “TranscriptPlus” feature will allow you to request transcripts at any time, on any day of the week.

On behalf of SMCCCD, Credentials Solutions will have the authority to fulfill all electronic transcript requests and respond to related inquiries. All PDF transcripts produced through the electronic transcript process are identical to paper transcripts. These PDFs can be certified as unaltered by visiting the website provided during the delivery process.

- Students are initially entitled to two free transcripts, thereafter, transcripts are $5 each.
• Most transcript requests are processed within one business day. Transcript request will not be processed if there is a financial or other type of hold on your account.
• Transcripts are sent electronically or mailed using U.S. first class mail.
• Log in to your account and select Student Records, then Request Official Transcripts.
• If you attended Cañada, College of San Mateo or Skyline prior to the summer of 1981, use the TranscriptPlus icon to complete your transcript request.

Unofficial Transcripts
Students with academic records after the Summer 1981 term can view and print unofficial transcripts online:

• Log in to your WEBSMART student account at websmart.smccd.edu
• Select Student Records, then Request Unofficial Transcript.
• Verify or enter your email address and select continue.

Additional information regarding Transcripts can be found at skylinecollege.edu.

Orientation
New students attend Orientation after completing their application. Orientation is offered both in-person and online. The procedure to sign up for either Orientation option is detailed on Skyline College's website. Both orientations cover important college policies and procedures, specific information about certificate, degree and transfer goals, and useful resources that help students be successful in achieving their goals.

For more information, please visit the Orientation website or contact the Counseling Department at (650) 738-4318 or skycounseling@smccd.edu.
Fees / Refunds

Student Fees
The fees listed in this Catalog are those in effect at the time of publication. Fees are subject to change at any time by action of Federal or State statute, the Board of Governors of the California Community Colleges, or the San Mateo County Community College District Board of Trustees. A list of fees is published in each semester’s Class Schedule and is available on WebSMART.

All fees marked with an “**” are waived for Concurrent High School Students enrolled in less than 11.5 units.

Estimated fees paid by the student may be claimed for a tax credit. A 1098-T will be available on WebSMART in January for the prior year’s tax information.

Enrollment Fee*
A state-mandated enrollment fee of $46 per unit is payable by all students. The enrollment fee is calculated each semester based upon the student’s combined enrollments at Skyline College, Cañada College, and/or the College of San Mateo.

The Board of Governors of the California Community Colleges has established the California College Promise Grant (CCPG) to help students pay the enrollment fee. Information on eligibility requirements, application deadlines, and application forms are available on WebSMART under “Financial Aid”. Students classified as nonresidents of the State of California must pay an additional non resident fee. See details under “Nonresident Tuition Fee.”

Enrollment Fee - Bachelor of Science in Respiratory Care*
All Students that are new graduates and have completed a CoARC accredited Respiratory Care program equivalent to an A.S. in Respiratory Care and are California licensure eligible or Respiratory Care Practitioners who have completed a CoArc accredited Respiratory Care program equivalent to an A.S. in Respiratory Care and are California licensure eligible and accepted into the Bachelor of Science Respiratory Care program at Skyline College will pay $130 per unit for upper division coursework. Students eligible for the California College Promise Grant (CCPG) will only waive $46 per unit and total cost to the student is $84 per unit.

Health Services Fee*
All students, except those enrolled ONLY in off-campus, weekend or Distance Learning courses, are required to pay $21 for each Fall & Spring semester and $18 for Summer session. This fee provides campus health services and medical coverage for injuries incurred while the student is on campus or attending an off-campus, College-sponsored event.

Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination or organization may be exempted from paying the Health Services Fee. A petition for a Health Services Fee exemption may be obtained from the Admissions & Records Office. The fee is not covered by the California College Promise Grant (CCPG) and is not refundable unless an action of the college prevents the student from attending.

Student Representation Fee*
This fee of $1 per student per semester was established by an election of the student body of Skyline College. Under applicable provisions of the California Education Code, the students established the fee by a two-thirds majority of the students who voted in the election. The money collected through the Student Representation Fee will be expended to provide support for students or their representatives who may be stating their positions and viewpoints before city, county and district government, as well as before offices and agencies of local, State and Federal governments. A student has the right to refuse to pay the Student Representation Fee for religious, political, moral or financial reasons. A petition to waive the fee may be obtained at The Center for Student Life and Leadership Development Office. The fee is not covered by the California College Promise Grant (CCPG) and is not refundable unless an action of the college prevents the student from attending.

Non-Resident Tuition Fee
Students who do not qualify as California residents as determined by the California Education Code must pay Non-resident Tuition fees. Refer to the current Class Schedule or the Fees link on the Skyline College website for the current fee rate. The Office of Admissions and Records determines residency status at the time of admission. Refer to “Determination of Residency” in the Admission section of this Catalog for more information.

International (F-1 Visa) students pay the Non-resident Tuition, a nominal capital outlay fee, and the Enrollment fees.
International Student (F-1 Visa) Health Insurance

Required of international students without the required level of private health insurance.

Student Body Fee (Optional)*

All students, except for students enrolled ONLY in off-campus, weekend or Distance Learning courses, are assessed the Student Body Fee. The Student Body Fee of $15 per semester (Fall & Spring only) is automatically assessed and is payable at the time of registration. Students who pay the fee receive an Associated Student Body card which entitles them to special discounts at local businesses, movie theaters, shops, restaurants, and for some on-campus products and services. All fees must be paid in full to receive a student ID. Funds collected also help support student clubs, events, services and scholarships. Students who choose to waive the fee must contact The Center for Student Life and Leadership Development Office by the deadline listed in the Class Schedule printed each semester. The fee is not covered by the California College Promise Grant (CCPG) and is not refundable unless an action of the college prevents the student from attending.

Student Union Fee*

Students will be assessed a Student Union Fee of $1 per unit up to a maximum of $5 per semester (Fall and Spring only). Funds collected will be used to support the operation, maintenance and refurbishment of the Student Union. The assessment of this fee was authorized by a vote of the Skyline College Student Body in February 2001. The fee is not covered by the California College Promise Grant (CCPG) and is not refundable unless an action of the college prevents the student from attending.

Parking Permit Fee

Skyline College is committed to keeping the campus as accessible as possible to the community. The Public Safety Office applies strict and fair application of all parking regulations. All persons driving an automobile, truck or van who utilize campus parking facilities during scheduled class hours and final examination periods are required to pay a parking permit fee. Motorcycles are excluded from this requirement if parked in designated motorcycle parking. Students enrolled exclusively in weekend or off-campus classes are exempt. Parking options are as follows:

• $58 for each semester (Fall or Spring)
• $106 for a Two-Term Permit (Fall and Spring)
• $27 for the Summer Session
• $3 for one day parking permits available at daily permit dispensers in Parking Lots C, F, L1, L2, N (adjacent to the perimeter road) and P. Refer to the campus map for dispenser locations.

• Visitor pay-by-space parking is available in lots D and M.

• Accepted forms of payments at each lot
  • Lot C - bills or coins
  • Lot D - bills or coins
  • Lot F - bills or coins
  • Lot L1 - credit cards or coins
  • Lot L2 - credit cards, bills or coins
  • Lot M - credit cards or coins
  • Lot N - credit cards or coins
  • Lot P - credit cards, bills or coins

• Parking fees are nonrefundable unless an action of the College (e.g., cancellation of all of the student's classes) prevents the student from attending.

• There are NO refunds for lost, stolen or damaged permits. Replacement of any lost or stolen permit is at full cost to the student.

• Parking permits may be transferred from one vehicle to another.

Disabled Student Parking

Physically disabled students who drive vehicles to campus must have a valid state-issued DMV placard or license plate. For these students, no parking permit is required. Disabled parking is available in student or staff lots. For further information, contact the Disability Resource Center at (650) 738-4280.

Audit Fee

The College allows auditing of courses with the exception of courses in programs that require special preparation and/or program admission on a limited basis. Students requesting to Audit a course and receive the California College Promise Grant (CCPG) are responsible to pay for fees and the CCPG will not be applied to the student account.

Transcript Fee

An official transcript summarizing a student’s complete academic record of course work taken at Cañada College, College of San Mateo, and Skyline College will be sent directly to colleges, employers, and other agencies upon request by the student. Transcripts should be requested through WebSMART. Transcripts from high schools and other colleges will not be forwarded. The first two transcripts requested are free. There is a $5 fee for each transcript requested after the first two. For additional information, contact the Transcript Department in the Office of Admissions and Records at (650) 738-4255.

Returned Check Fee

A fee of $20 is charged for each returned check.
Please note that fees are subject to change at any time by action of the State Legislature, Board of Governors of the California Community Colleges, or the District Board of Trustees.

Additional Expenses

Students must purchase their own textbooks and supplies. Considerable savings are possible by renting or purchasing used textbooks from the Skyline College Bookstore. For the approximate cost of books, contact the Bookstore at (650) 738-4212 or check the website at http://bookstore.skylinecollege.edu.

Some courses require special equipment or materials fees at the student's expense:

• Accounting, Art, Automotive Technology, Business, Computer Applications & Office Technology, Computer Science, Development Skills, Math, Respiratory Therapy, Wellness – $2 to $380 materials fee is required for certain courses.
• Automotive Technology – Approximately $900 for Basic Tools
• Cosmetology or Esthetician– Approximately $1,900 over the length of the program for uniforms and equipment

Payment of Fees

Fees may be paid in any of the following ways:

• WebSMART: Mastercard, Visa, Discover or American Express
• In Person at Cashier’s Office (Student Services Center, Bldg. 2, 2nd Floor): Cash, Check, Money Order or Credit Card

Fees are due and payable at the time of registration. Student records, including transcripts, are automatically held until all debts to the District colleges have been cleared. Students are not able to register for classes if there's an outstanding balance on the account. Students are expected to review their account on WebSMART regularly. Outstanding student account balances are subject to referral to a collection agency.

Refund Policy For Registration Fees

Eligibility

• To be eligible for a credit or refund, a student must officially withdraw from a course within the stated deadline as displayed on WebSMART Class Schedule Summary for exact refund dates. If registration occurs after the refund date for a class, no refund will be available.

• For summer or short courses, withdrawal must occur within the first 10% of the course (often this the first day).
• If a student decides not to attend classes, it is their responsibility to officially withdraw within published deadlines to avoid penalty grades and fee obligations. A withdrawal initiated by a professor may not result in a refund.

Issuance & Balances

• A student may either maintain a credit balance on account or request a refund.
• Refunds are not issued automatically. Students must contact the Cashier’s Office at (650) 738-4101 to request a refund.
• Credit balances remain on student accounts for a maximum of five (5) years.

Processing

• Fees paid by personal check(s) require 10 business days for bank clearance before refunds can be processed.
• A $10 non-refundable processing fee (plus an additional $50 processing fee for nonresident tuition) will be retained by the College if a refund is issued to a student withdrawing from all classes. A refund processing fee may be charged only once per semester or summer session. For students who owe less than $10 and withdraw from all classes before the deadline, the processing fee shall equal to the amount owed.

Financial Aid Refunds

• Students who receive financial aid and withdraw from classes are advised to call the Financial Aid Office at (650) 738-4236 regarding possible repayment of federal funds if received prior to withdrawal.

Refunds Due to Action of College

• Fees will be credited or refunded if an action of the College (e.g. class cancellation) prevents a student from attending.

Other Registration, Refund & Waiver

• The Student Body Fee is fully refundable by the deadline stated on the Class Schedule printed each semester. For short courses or for late-start courses, the deadline to waive the fee is 10% of the period of instruction (often this is the first day).
• Variable Unit Courses: No enrollment fee or nonresident/international student tuition refund or credit will be available to students enrolled in variable unit courses who earn fewer unit of credit than the number for which they originally registered. Students earning additional units will be charged accordingly.
• Exceptions to the refund policy may be authorized by petition to the Extenuating Circumstances Committee in cases of unique and extraordinary circumstances beyond the control of the student.
Grades & Honors

Grades and Grade Points
Courses within the SMCCD are graded by means of the grading system established by the California Education Code (Title V). Skyline College utilizes two types of grading methods or grade modes: Letter Grade and Pass/No Pass.

Letter Grade
Grades are averaged on the basis of the point equivalencies to determine a students grade point average. The highest grade shall receive 4 points and the lowest grades shall receive 0 points using the following evaluative symbols:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Definition</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0 points</td>
</tr>
<tr>
<td>A-</td>
<td>Excellent</td>
<td>3.7 points</td>
</tr>
<tr>
<td>B+</td>
<td>Good</td>
<td>3.3 points</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0 points</td>
</tr>
<tr>
<td>B-</td>
<td>Good</td>
<td>2.7 points</td>
</tr>
<tr>
<td>C+</td>
<td>Satisfactory</td>
<td>2.3 points</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2.0 points</td>
</tr>
<tr>
<td>D+</td>
<td>Passing, less than satisfactory</td>
<td>1.3 points</td>
</tr>
<tr>
<td>D</td>
<td>Passing, less than satisfactory</td>
<td>1.0 points</td>
</tr>
<tr>
<td>D-</td>
<td>Passing, less than satisfactory</td>
<td>0.7 points</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0 points</td>
</tr>
</tbody>
</table>

Pass/No Pass
Each division of the College may designate course(s) in which a student is evaluated on a Pass/No Pass basis only. There are no grade points assigned to this grade mode, as units are not calculated towards GPA. Evaluative symbols are as follows:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Definition</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Pass (satisfactory – C or better)</td>
<td>0 points</td>
</tr>
<tr>
<td>NP</td>
<td>No Pass (less than satisfactory or failing)</td>
<td>0 points</td>
</tr>
</tbody>
</table>

Grade Mode Option
Some courses offer both Letter Grade and Pass/No Pass grade mode options. Grade mode options allow students to explore various fields of study and broaden their knowledge, particularly outside their major field, without jeopardizing their grade point average. Courses in which such an option exists will be designated by the Division Dean in consultation with appropriate members of the division faculty.

Students selecting a Pass/No Pass option must select this grade mode at the time of registration or one day prior to Census, through their WebSMART account.

The use of courses graded on a Pass/No Pass basis to satisfy major or certificate requirements must be approved by the Division Dean in consultation with appropriate members of the division faculty. A maximum of 12 units toward an Associate Degree, or 6 units toward a Certificate, may be applied from courses in which the student has elected a Pass/No Pass option.

Important: Four year colleges and universities vary widely in the number of units of Pass/No Pass courses they will accept. Students should consult the catalog of the college to which they plan to transfer for its regulations before selecting this option.

Non-evaluative Symbols

I - Incomplete
Appears in the grade column, along with a default grade, and indicates incomplete academic work for unforeseeable, emergency, and justifiable reasons. Conditions for the removal of the "Incomplete" shall be set forth by the faculty member in a written record which also indicates the default grade (grade assigned in lieu of removal). A final grade will be assigned by the faculty member when the stipulated work has been completed and evaluated. In the event that the work is not completed within the prescribed time period, the default grade previously determined by the faculty member will be entered in the permanent record. The Incomplete must be made up no later than one year following the end of the term in which it was assigned. Established College procedures may be utilized to request a time extension in cases involving unusual circumstances. The I symbol is not used in calculating units attempted nor for grade points.

IP - In Progress
The IP symbol indicates courses which extend beyond the normal end of an academic term. It indicates that work is In Progress, but that assignment of the evaluative symbol (grade) must wait 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 students permanent record for the term in which the course is completed.

**RD - Report Delayed**
The RD symbol indicates that there has been a delay in reporting the grade due to circumstances beyond the student's control. It is to be replaced by a permanent symbol as soon as possible. The RD shall not be used in the calculation of grade point average.

**W - Withdrawal**
The W symbol indicates withdrawal from a course beyond the last day to drop without a notation appearing on the student record.

**MW - Military Withdrawal**
The MW symbol indicates military withdrawal.

**# - Non-degree Applicable**
Appears with a grade and indicates a non-degree applicable course.

**EW - Excused Withdrawal**
An "Excused Withdrawal" will be authorized when a student withdraws from a course(s) for reasons beyond their control. A student may request to use an "EW" for only one course or all courses in a term depending on the reason for the request. In accordance to Title 5, section 55024 (e), an EW symbol may be requested by the student any time during the semester and no later than one year following the end of the term in which the EW symbol is requested in accordance with the District grade change policy. Upon verification of the extenuating circumstance, a notation of “EW” will be placed on the student record. Excused Withdrawals are not counted in the probation or dismissal calculations. In addition, the “Excused Withdrawal” should not be counted towards the permitted number of withdrawals or counted as an enrollment attempt. An EW is acceptable when a student withdraws from a course(s) due to reasons beyond their control, which include but are not limited to, the following:
- Job transfer outside the geographical region
- Illness in the family in which the student is the primary caregiver
- An incarcerated student in a California State Prison or County Jail is released from custody or involuntarily transferred before the end of the term 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
- The student is the subject of an immigration action
- Death of an immediate family member
- Chronic or acute illness

The financial aid eligibility of a student may be affected depending on individual circumstance. A student should consult with the financial aid staff regarding any impact.

**E - Excluded**
As a result of procedures such as Grade Alleviation, Academic Renewal and Course Repetition, a notation of E may appear in the right column of the student academic record to indicate that the course is to be Excluded from the GPA calculation.

**I - Included**
As a result of procedures such as Grade Alleviation, Academic Renewal and Course Repetition, a notation of I may appear in the right column of the student academic record to indicate that the course is to be or Included in the GPA calculation.

**GPA (Grade Point Average)**
GPA is determined by dividing the total number of grade points earned by the total number of letter graded (GPA) units attempted (See Academic Standards Policy).
A student's grade point average for a degree will not include grades earned in non-degree applicable credit courses.
Courses transferred to Skyline College, Credit by Exam, and Advanced Placement are not included in the District GPA.

**Units of Credit**
A "unit" of credit represents attendance for one class hour per week for a total of 16 hours throughout one semester in lecture or recitation, with study/preparation outside of class, or three hours in laboratory or other exercises not requiring homework for preparation per week for a total of 48 hours, or an equivalent combination.
Students planning to complete their Associate degree in two years must enroll in and complete 15-16 units per semester. A schedule of 15 college units assumes that the average student will devote approximately 45 hours per week to class attendance and preparation.

**Grade Options**
Courses will be designated as Letter graded and/or Pass/No Pass. The default for registration when options are offered is a letter grade. Students must select the Pass/No Pass option when registering or within the first 20% of the course. No change can be made in the option after the deadline to change. Be aware of degree and/or transfer requirements when selecting a P/NP option.
Scholastic Honors

Dean's List

A Dean's List of students who have achieved academic honors is published at the end of each semester. The list contains the names of students who previously completed 12 units or more of letter-graded coursework and during the subsequent semester at Cañada College, College of San Mateo, and Skyline College earned a grade point average of 3.3 or above for six or more units.

Honors at Graduation

Recognition of a student's academic excellence will be given at graduation on the basis of their grade point average according to the following scale:

<table>
<thead>
<tr>
<th>Grade Point Average</th>
<th>Acknowledgement</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.3</td>
<td>Cum Laude</td>
</tr>
<tr>
<td>3.5</td>
<td>Magna Cum Laude</td>
</tr>
<tr>
<td>4.0</td>
<td>Summa Cum Laude</td>
</tr>
</tbody>
</table>

Final Grade Reports

Each student is responsible for his/her own academic progress. Final grade reports are not mailed to students but are available on WebSMART. All fees must be paid to be able to access grades. Dates of final grade availability for specific semesters are published in the current Class Schedule.

Change of Final Grades

The determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetence. See “Student Grievance and Appeals Policy” in the Student Records, Responsibilities and Rights section of this Catalog for information on the grade grievance process.

An earned grade may be changed by the professor within one year if an error has occurred. Grades cannot be changed on the basis of a student completing class work subsequent to the assignment of the final grade.

Examination Credit

Credit units earned through the Advanced Placement Test (AP), College Level Examination Program (CLEP), Credit by Examination (CBE), or the International Baccalaureate Examination (IB) do not satisfy unit load requirements for enrollment status for programs such as financial aid, athletics, veterans benefits, or for graduation residency requirements.

Skyline College accepts the following types of test scores:

- Advanced Placement Test (AP): Please see the Advanced Placement Exam Credit Policy chart to determine use of test scores.
- College Level Examination Program (CLEP): Credit may be used to meet requirements for an Associate Degree. A maximum of 15 units can be earned 3 units for each of the tests within the five examination areas: English Composition, Social Sciences and History, Humanities, Natural Sciences, and College Mathematics. Upon receipt of official examination results, CLEP units will be posted to a student's Skyline College transcript by the Office of Concurrent Enrollments and Records. Should students transfer to a university, CLEP credit will be granted according to the policy of the receiving institution. Students are advised to meet with a counselor regarding CLEP credit. CLEP Credit cannot be applied to IGETC.
- Credit by Examination (CBE): A currently enrolled student in good standing may be permitted to take a test for credit for courses, if qualified, because of previous training or instruction. By completing an examination approved by the faculty of the appropriate division, credit will be recorded. Testing is not allowed for a course for which credit has previously been granted or if credit has been earned in a more advanced course in the same sequence. Credit by Examination may not be used in order to improve a grade already received for a course. A maximum of 12.0 units toward an Associate Degree or 6 units toward a certificate may be earned through Credit by Examination, however, may not be counted in determining the 12.0 semester units in residence. The student's academic record shall be annotated to reflect that credit was earned by examination. A student may complete any course through Credit by Examination procedures only once.
- The determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetence. See “Student Grievance and Appeals Policy” in the Student Records, Responsibilities and Rights section of this Catalog for information on the grade grievance process.
- Credit by Examination may not be used in order to improve a grade already received for a course. A maximum of 12.0 units toward an Associate Degree or 6 units toward a certificate may be earned through Credit by Examination, however, may not be counted in determining the 12.0 semester units in residence. The student's academic record shall be annotated to reflect that credit was earned by examination. A student may complete any course through Credit by Examination procedures only once.

International Baccalaureate Examination (IB): See the International Baccalaureate Examination Credit Policy chart on pages 23-24 to determine use of test scores.

Transcript Evaluation Service

Students with external coursework, coursework completed at colleges and universities outside the San Mateo County Community District (SMCCCD), should use Transcript Evaluation Service (TES) to determine how it will be applied.
to the following educational goal(s) at (Cañada College/College of San Mateo/Skyline College):

- Certificate or associate degree major requirements
- Associate degree general education requirements
- California State University General Education (CSU GE) certification
- Intersegmental General Education Transfer Curriculum (IGETC) certification

TES will complete a transcript evaluation of lower-division degree-applicable external coursework which serves as official response from the SMCCCD.

The external coursework will be included in the student’s academic history and awarded the same unit value (or quarter-to-semester unit equivalent) and grade (or grade point value) as listed on the external transcript. Evaluated coursework defined by the external institution as lower than a C (2.0) will have limitations for prerequisite, certificate, associate degree major, CSU GE certification and/or IGETC certification requirements.

To request a transcript evaluation a student must:

- Plan to complete a certificate, associate degree, CSU GE certification and/or IGETC certification within the SMCCCD
- Be enrolled in a class in a SMCCCD college
- Have a combination of previously completed and currently enrolled courses adding to 6 units in the SMCCCD
- Submit all official transcripts to the Office of Admissions & Records of your home college
- Update student information on WebSMART with current and accurate educational goal

NOTE: Students who completed all coursework in the SMCCCD should not request a transcript evaluation since the service only reviews coursework from outside the SMCCCD.

For more information, visit the District Transcript Evaluation website or call 650-574-6234.
**Application of External Exams (AP, IB, CLEP, DLPT)**

*Important Note to Students* – If you plan to complete an Associate Degree or CSU GE or IGETC certification within the San Mateo County Community College District, submit official AP, IB, or CLEP exam results to your Admissions and Records Office and request a SMCCD Transcript Evaluation at [www.smccd.edu/transeval](http://www.smccd.edu/transeval).

Skyline College applies external exam credit to associate degree general education requirements in the same manner as CSU applies external exam credit to CSU general education requirements. **External exam results are applied to General Education Area Requirements Only.** External exam evaluation results appear on WebSmart Degree Works Audit.

Transfer students should work with a counselor to determine how to apply external exam results to transfer major requirements. All students should work with a counselor to develop a comprehensive SEP after the external exam evaluation is completed.

**Advanced Placement Test Policy 2019-2020**

The following chart outlines the application of credit for College Board Advanced Placement (AP) towards the Skyline College Associate Degree General Education (GE) requirements, California State University General Education (GE) Breadth Certification, and Intersegmental General Education Transfer Curriculum (IGETC) Certification. Skyline College applies external exam credit to associate degree general education requirements in the same manner as CSU applies external exam credit to CSU general education requirements.

<table>
<thead>
<tr>
<th>Advanced Placement Test Score of 3, 4, or 5</th>
<th>Skyline College Associate Degree GE 3 semester units unless otherwise indicated</th>
<th>CSU Minimum Semester Credits Earned Toward Admission(*)</th>
<th>CSU GE Breadth Certification: 3 semester units unless otherwise indicated(**)</th>
<th>IGETC Certification: 3 semester units or 4 quarter units with a minimum score of 3, 4, or 5</th>
<th>UC credit granted for AP Exams QTR/SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History (6)</td>
<td>Area C1 or C2</td>
<td>6 units</td>
<td>Area C1 or C2</td>
<td>Area 3A or Area 3B (6)</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Art (Studio): 2D design</td>
<td>None</td>
<td>3 units</td>
<td>None</td>
<td>None</td>
<td>Each exam 8/5.3 units. Maximum 8/5.3 units for all three exams.</td>
</tr>
<tr>
<td>Art (Studio): 3D design</td>
<td>None</td>
<td>3 units</td>
<td>None</td>
<td>None</td>
<td>Each exam 8/5.3 units. Maximum 8/5.3 units for all three exams.</td>
</tr>
<tr>
<td>Art (Studio): Drawing</td>
<td>None</td>
<td>3 units</td>
<td>None</td>
<td>None</td>
<td>Each exam 8/5.3 units. Maximum 8/5.3 units for all three exams.</td>
</tr>
<tr>
<td>Biology</td>
<td>Area B2 &amp; Area B3 4 units</td>
<td>6 units</td>
<td>Area B2 &amp; Area B3 4 units</td>
<td>Area 5B &amp; Area 5C 4 semester units or 5 quarter units</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Calculus AB (1)</td>
<td>Area A3 Meets Math Competency</td>
<td>3 units</td>
<td>Area B4</td>
<td>Area 2</td>
<td>4/2.6</td>
</tr>
<tr>
<td>Calculus BC (1)</td>
<td>Area A3 Meets Math Competency</td>
<td>6 units</td>
<td>Area B4</td>
<td>Area 2</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Calculus BC AB Subscore (1)</td>
<td>Area A3 Meets Math Competency</td>
<td>3 units</td>
<td>Area B4</td>
<td>Area 2</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Advanced Placement Test Score of 3, 4, or 5</td>
<td>Skyline College Associate Degree GE 3 semester units unless otherwise indicated</td>
<td>CSU Minimum Semester Credits Earned Toward Admission(*)</td>
<td>CSU GE Breadth Certification: 3 semester units unless otherwise indicated(**)</td>
<td>IGETC Certification: 3 semester units or 4 quarter units with a minimum score of 3, 4, or 5</td>
<td>UC credit granted for AP Exams QTR/SEM</td>
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<tr>
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</tr>
<tr>
<td>Chemistry (3)</td>
<td>Area B1 &amp; Area B3 (3) 4 units</td>
<td>Area B1 &amp; Area B3 (3) 4 units</td>
<td>Area 5A &amp; Area 5C 4 semester units or 5 quarter units</td>
<td>8/5.3 units</td>
<td></td>
</tr>
<tr>
<td>Chinese Language and Culture</td>
<td>Area C2</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units</td>
<td></td>
</tr>
<tr>
<td>Comparative Government and Politics</td>
<td>Area D</td>
<td>Area D</td>
<td>Area 4</td>
<td>4/2.6 units</td>
<td></td>
</tr>
<tr>
<td>Computer Science A (1)</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>2 units (students entering UC prior to fall 2018) 8/5.3 units (students entering UC fall 2018 and after)</td>
<td></td>
</tr>
<tr>
<td>Computer Science AB (1)</td>
<td>None</td>
<td>6 units</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Science Principles (1)</td>
<td>None</td>
<td>6 units</td>
<td>Area B4</td>
<td>8/5.3 units</td>
<td></td>
</tr>
<tr>
<td>English Language &amp; Composition</td>
<td>Area A2 Meets the Writing/ Reading Competency</td>
<td>Area A2</td>
<td>Area 1A</td>
<td>8/5.3 units. Maximum 8/5.3 units for both exams.</td>
<td></td>
</tr>
<tr>
<td>English Literature &amp; Composition (6)</td>
<td>Area A2 &amp; Area C2 Meets Writing/Reading Competency 6 units</td>
<td>Area A2 &amp; Area C2 6 units</td>
<td>Area 1A or Area 3B (6)</td>
<td>8/5.3 units. Maximum 8/5.3 units for both exams.</td>
<td></td>
</tr>
<tr>
<td>Environmental Science (4) if taken fall 2009 or later</td>
<td>Area B1 &amp; Area B3 (4) 4 units</td>
<td>Area B1 &amp; Area B3 (4) 4 units</td>
<td>Area 5A &amp; Area 5C 3 Semester or 4 Quarter Units</td>
<td>4/2.6 units</td>
<td></td>
</tr>
<tr>
<td>European History (6)</td>
<td>Area C2 or Area D</td>
<td>Area C2 or Area D</td>
<td>Area 3B or Area 4 (6)</td>
<td>8/5.3 units</td>
<td></td>
</tr>
<tr>
<td>French Language (5) if taken before fall 2009</td>
<td>Area C2 6 units</td>
<td>Area C2 (5) 6 units</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Placement Test Score of 3, 4, or 5</td>
<td>Skyline College Associate Degree GE 3 semester units unless otherwise indicated</td>
<td>CSU Minimum Semester Credits Earned Toward Admission(*)</td>
<td>CSU GE Breadth Certification: 3 semester units unless otherwise indicated(**)</td>
<td>IGETC Certification: 3 semester units or 4 quarter units with a minimum score of 3, 4, or 5</td>
<td>UC credit granted for AP Exams QTR/SEM</td>
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<tr>
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</tr>
<tr>
<td>French Language (5) If taken between fall 2009 and fall 2011</td>
<td>Area C2 (5) 6 units</td>
<td>6 units</td>
<td>Area C2 (5) 6 units</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>French Language &amp; Culture</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>French Literature (5) If taken prior to fall 2009</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>German Language (5) If taken prior fall 2009</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2 (5) 6 units</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>German Language (5) If taken between fall 2009 and fall 2011</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2 (5)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>German Language &amp; Culture</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Human Geography</td>
<td>Area D</td>
<td>3 units</td>
<td>Area D</td>
<td>Area 4</td>
<td>4/2.6 units</td>
</tr>
<tr>
<td>Italian Language and Culture</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Japanese Language and Culture</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Latin</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units (offered May 2013 and beyond)</td>
</tr>
<tr>
<td>Latin Literature If taken prior to fall 2009</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>4/2.6 units</td>
</tr>
<tr>
<td>Latin: Vergil If taken prior to fall 2012</td>
<td>Area C2</td>
<td>3 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>4/2.6 units</td>
</tr>
<tr>
<td>Advanced Placement Test Score of 3, 4, or 5</td>
<td>Skyline College Associate Degree GE 3 semester units unless otherwise indicated</td>
<td>CSU Minimum Semester Credits Earned Toward Admission(*)</td>
<td>CSU GE Breadth Certification: 3 semester units unless otherwise indicated(**)</td>
<td>IGETC Certification: 3 semester units or 4 quarter units with a minimum score of 3, 4, or 5</td>
<td>UC credit granted for AP Exams QTR/SEM</td>
</tr>
<tr>
<td>------------------------------------------</td>
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<td>-------------------------------------------------</td>
<td>-------------------------------------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>Area D</td>
<td>3 units</td>
<td>Area D</td>
<td>Area 4</td>
<td>4/2.6 units</td>
</tr>
<tr>
<td>Microeconomics</td>
<td>Area D</td>
<td>3 units</td>
<td>Area D</td>
<td>Area 4</td>
<td>4/2.6 units</td>
</tr>
<tr>
<td>Music Theory If taken prior to fall 2009</td>
<td>Area C1</td>
<td>6 units</td>
<td>Area C1</td>
<td>None</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Physics 1 (2)</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>4 units</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>Area 5A &amp; Area 5C (4 semester units or 5 quarter units)</td>
<td>Each exam 8/5.3 units. Maximum 8/5.3 units for all tests.</td>
</tr>
<tr>
<td>Physics 2 (2)</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>4 units</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>Area 5A &amp; Area 5C (4 semester units or 5 quarter units)</td>
<td>Each exam 8/5.3 units. Maximum 8/5.3 units for all tests.</td>
</tr>
<tr>
<td>Physics B (2) If taken prior to fall 2009</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>6 units</td>
<td>Area B1 &amp; Area B3 6 units</td>
<td>Area 5A &amp; Area 5C (4 semester units or 5 quarter units)</td>
<td>Each exam 8/5.3 units. Maximum 8/5.3 units for all tests.</td>
</tr>
<tr>
<td>Physics B (2) (7) If taken between fall 2009 and fall 2015</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>6 units</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>Area 5A &amp; Area 5C (4 semester units or 5 quarter units)</td>
<td>Each exam 8/5.3 units. Maximum 8/5.3 units for all tests.</td>
</tr>
<tr>
<td>Physics C: Electricity/ Magnetism (2)</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>4 units</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>Area 5A &amp; Area 5C (3 semester units or 4 quarter units)</td>
<td>Each exam 4/2.6 units. Maximum 8/5.3 units for all tests.</td>
</tr>
<tr>
<td>Physics C: Mechanics (2)</td>
<td>Area B1 &amp; Area B3 4 units</td>
<td>4 units</td>
<td>Area B1 &amp; B3 4 units</td>
<td>Area 5A &amp; Area 5C (3 semester units or 4 quarter units)</td>
<td>Each exam 4/2.6 units. Maximum 8/5.3 units for all tests.</td>
</tr>
<tr>
<td>Psychology</td>
<td>Area D</td>
<td>3 units</td>
<td>Area D</td>
<td>Area 4</td>
<td>4/2.6 units</td>
</tr>
<tr>
<td>Seminar</td>
<td>None</td>
<td>3 units</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Spanish Language If taken prior to Fall 2014</td>
<td>Area C2 6 units</td>
<td>6 units</td>
<td>Area C2 6 units</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Spanish Language &amp; Culture</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Advanced Placement Test Score of 3, 4, or 5</td>
<td>Skyline College Associate Degree GE 3 semester units unless otherwise indicated</td>
<td>CSU Minimum Semester Credits Earned Toward Admission(*)</td>
<td>CSU GE Breadth Certification: 3 semester units unless otherwise indicated(**)</td>
<td>IGETC Certification: 3 semester units or 4 quarter units with a minimum score of 3, 4, or 5</td>
<td>UC credit granted for AP Exams QTR/SEM</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------------------------------------------------------------</td>
<td>------------------------------------------------</td>
<td>-----------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Spanish Literature If taken prior to Spring 2013</td>
<td>Area C2 6 units</td>
<td>6 units</td>
<td>Area C2 6 units</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Spanish Literature &amp; Culture</td>
<td>Area C2</td>
<td>6 units</td>
<td>Area C2</td>
<td>Area 3B &amp; Area 6A</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>Statistics</td>
<td>Area A3 Meets Math Competency</td>
<td>3 units</td>
<td>Area B4</td>
<td>Area 2</td>
<td>4/2.6 units</td>
</tr>
<tr>
<td>U.S. History (6)</td>
<td>Area C2 or Area D &amp; US-1 US History Specific Area</td>
<td>6 units</td>
<td>Area C2 or Area D &amp; US-1</td>
<td>(Area 3B or Area 4 &amp; US-1 (6)</td>
<td>8/5.3 units</td>
</tr>
<tr>
<td>World History (6)</td>
<td>Area C2 or Area D</td>
<td>3 units</td>
<td>Area C2 or Area D</td>
<td>Area 3B or Area 4 (6)</td>
<td>8/5.3 units</td>
</tr>
</tbody>
</table>

(*) These units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD#T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE#Breadth area. See Executive Orders 1036 and 1100 Revised for details.

(**) Areas of CSU GE Breadth (A1 through E) are defined in EO 1100 Revised (August 23, 2017). Areas of American Institutions (US#1 through US#3) are set forth in Sections IA and IB of EO 1061, and at assist.org.

(1) If a student passes more than one AP exam in calculus or computer science, only one examination may be applied to the Associate and/or Baccalaureate degree.

(2) If a student passes more than one AP exam in physics, only 6 units of credit may be applied to the Associate and/or Baccalaureate degree, and only 4 units of credit may be applied to a certification in CSU GE Breadth.

(3) Chemistry: 6 units toward CSU GE Area B1 and B3 if taken prior to fall 2009.

(4) Students who pass AP Environmental Science earn 4 units of credit. Tests prior to Fall 2009 may apply to either B1 and B3 or B2 and B3 of GE Breadth. Fall of 2009 or later, those credits may only apply to B1 and B3.

(5) French / German: 6 units if taken prior to fall 2009; 3 units if test taken after fall 2009. "Language" removed from GE#Breadth in fall 2011.

(6) IGETC: AP exams may be used in either area regardless of where the certified CCC's discipline is located.

(7) UC: Physics B replaced by Physics 1 and 2 in 2015.

References:
- University of California, AP credits, retrieved April 15, 2019
## International Baccalaureate (IB) Credit Policy 2019-2020

The following chart outlines the application of IB credits towards general education requirements for the Skyline College Associate Degree, CSU General Education Breadth Certification, and Intersegmental General Education Transfer Curriculum (IGETC) Certification.

<table>
<thead>
<tr>
<th>IB Exam (All must be Higher Level)</th>
<th>Skyline College Associate Degree GE 3 semester units unless otherwise indicated</th>
<th>CSU Minimum Semester Credits Earned Toward Admission(*)</th>
<th>CSU GE Breadth Certification: 3 semester units unless otherwise indicated (2)</th>
<th>IGETC Certification 3 semester units or 4 quarter units with a minimum score of 5, 6 or 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology HL</td>
<td>Area B2 Minimum score of 5</td>
<td>6</td>
<td>Area B2 Minimum score of 5</td>
<td>Area 5B – without lab</td>
</tr>
<tr>
<td>Chemistry HL</td>
<td>Area B1 Minimum score of 5</td>
<td>6</td>
<td>Area B1 Minimum score of 5</td>
<td>Area 5A – without lab</td>
</tr>
<tr>
<td>Economics HL</td>
<td>Area D Minimum score of 5</td>
<td>6</td>
<td>Area D Minimum score of 5</td>
<td>Area 4</td>
</tr>
<tr>
<td>Geography HL</td>
<td>Area D Minimum score of 5</td>
<td>6</td>
<td>Area D Minimum score of 5</td>
<td>Area 4</td>
</tr>
<tr>
<td>History (any Region) HL</td>
<td>Area C2 or Area D Minimum score of 5</td>
<td>6</td>
<td>Area C2 or Area D Minimum score of 5</td>
<td>Area 3B or Area 4*(3)</td>
</tr>
<tr>
<td>Language A: Literature (any language) HL</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Area 3B</td>
</tr>
<tr>
<td>Language A: Language and Literature (any language) HL</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Area 3B</td>
</tr>
<tr>
<td>Language A: Literature (any language except English) HL</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Area 3B &amp; Area 6A</td>
</tr>
<tr>
<td>Language A: Language and Literature (any language) HL</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Area 3B &amp; Area 6A</td>
</tr>
<tr>
<td>Language A Literature HL</td>
<td>Area C2 Minimum Score of 4</td>
<td>6</td>
<td>Area C2 Minimum Score of 4</td>
<td>N/A</td>
</tr>
<tr>
<td>Language A Language and Literature HL</td>
<td>Area C2 Minimum score of 4</td>
<td>6</td>
<td>Area C2 Minimum Score of 4</td>
<td>N/A</td>
</tr>
<tr>
<td>Language A1 (any language) HL</td>
<td>Area C2 Minimum Score of 4</td>
<td>6</td>
<td>Area C2 Minimum Score of 4</td>
<td>N/A</td>
</tr>
<tr>
<td>Taken prior to Fall 13 (**)(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language A2 (any language) HL</td>
<td>Area C2 Minimum Score of 4</td>
<td>6</td>
<td>Area C2 Minimum Score of 4</td>
<td>N/A</td>
</tr>
<tr>
<td>Taken prior to Fall 13 (**)(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IB Exam (All must be Higher Level)</td>
<td>Skyline College Associate Degree GE 3 semester units unless otherwise indicated</td>
<td>CSU Minimum Semester Credits Earned Toward Admission(*)</td>
<td>CSU GE Breadth Certification: 3 semester units unless otherwise indicated (2)</td>
<td>IGETC Certification 3 semester units or 4 quarter units with a minimum score of 5, 6 or 7</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Language B (any language) HL(1)</td>
<td>N/A Minimum score of 4</td>
<td>6</td>
<td>N/A Minimum score of 4</td>
<td>Area 6A</td>
</tr>
<tr>
<td>Mathematics HL</td>
<td>Area A3 Minimum score of 4 Meets Math Competency Requirement</td>
<td>6</td>
<td>Area B4 Minimum score of 4</td>
<td>Area 2</td>
</tr>
<tr>
<td>Physics HL</td>
<td>Area B1 Minimum score of 5</td>
<td>6</td>
<td>Area B1 Minimum score of 5</td>
<td>Area 5A – without lab</td>
</tr>
<tr>
<td>Psychology HL</td>
<td>Area D Minimum score of 5</td>
<td>3</td>
<td>Area D Minimum score of 5</td>
<td>Area 4</td>
</tr>
<tr>
<td>Theatre HL</td>
<td>Area C1 Minimum score of 4</td>
<td>6</td>
<td>Area C1 Minimum score of 4</td>
<td>Area 3A</td>
</tr>
</tbody>
</table>

(*) These units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for details.

(**) Students seeking certification in CSU GE-Breadth prior to transfer must have passed the test before this date.

(1) The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.

(2) Areas of CSU GE-Breadth (A1 through E) are defined in Executive Order 1100. Areas of American Institutions. (US-1 through US-3) are set forth in Section 1A and 1B of Executive Order 1061, and at assist.org.

(3) IB exam may be used in either area regardless of where the certifying CCC’s discipline is located.

**College Level Examination Program (CLEP) 2019-2020**

The following chart reflects the College Level Examination Program (CLEP) credits that may be awarded toward the California State University General Education (GE) Breadth Certification and the Skyline College Associate Degree General Education (GE) requirements only. CLEP cannot be used in IGETC certification.

<table>
<thead>
<tr>
<th>CLEP Subject Exam</th>
<th>Passing Score for CSU and Skyline College Associate Degree</th>
<th>CSU Minimum Semester Credits Earned Toward Admission(*)</th>
<th>CSU GE Breadth Certification: 3 semester units unless otherwise indicated (**)</th>
<th>Skyline College Associate Degree GE 3 semester units</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>50</td>
<td>3</td>
<td>Area D</td>
<td>Area D</td>
</tr>
<tr>
<td>American Literature</td>
<td>50</td>
<td>3</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>Analyzing and Interpreting Literature</td>
<td>50</td>
<td>3</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>Biology</td>
<td>50</td>
<td>3</td>
<td>Area B2</td>
<td>Area B2</td>
</tr>
<tr>
<td>CLEP Subject Exam</td>
<td>Passing Score for CSU and Skyline College Associate Degree</td>
<td>CSU Minimum Semester Credits Earned Toward Admission(*)</td>
<td>CSU GE Breadth Certification: 3 semester units unless otherwise indicated (**)</td>
<td>Skyline College Associate Degree GE 3 semester units</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-------------------------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>Calculus</td>
<td>50</td>
<td>3</td>
<td>Area B4</td>
<td>Area A3 Meets Math Competency</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50</td>
<td>3</td>
<td>Area B1</td>
<td>Area B1</td>
</tr>
<tr>
<td>College Algebra</td>
<td>50</td>
<td>3</td>
<td>Area B4</td>
<td>Area A3 Meets Math Competency</td>
</tr>
<tr>
<td>College Algebra – Trigonometry</td>
<td>50</td>
<td>3</td>
<td>Area B4</td>
<td>Area A3 Meets Math Competency</td>
</tr>
<tr>
<td>College Composition</td>
<td>50</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>College Composition – Modular</td>
<td>50</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>College Math</td>
<td>50</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>English Composition (no essay)</td>
<td>50</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>English Composition (with essay)</td>
<td>50</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>English Literature</td>
<td>50</td>
<td>3</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>50</td>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>French Level I (1) (2)</td>
<td>50</td>
<td>6</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>French Level II (1) (2)</td>
<td>50</td>
<td>12</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>French Level II (1) (2)</td>
<td>59</td>
<td>9</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>Freshman College Composition</td>
<td>50</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>German Level I (1) (2)</td>
<td>50</td>
<td>6</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>German Level II (1) (2)</td>
<td>60</td>
<td>12</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>German Level II (1) (2)</td>
<td>60</td>
<td>9</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>CLEP Subject Exam</td>
<td>Passing Score for CSU and Skyline College Associate Degree</td>
<td>CSU Minimum Semester Credits Earned Toward Admission(*)</td>
<td>CSU GE Breadth Certification: 3 semester units unless otherwise indicated (**)</td>
<td>Skyline College Associate Degree GE 3 semester units</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>------------------------------------------------------------</td>
<td>----------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-----------------------------------------------------</td>
</tr>
<tr>
<td>History, United States I</td>
<td>50</td>
<td>3</td>
<td>Area D &amp; US 1</td>
<td>Area D Meets US History Specific Area</td>
</tr>
<tr>
<td>History, United States II</td>
<td>50</td>
<td>3</td>
<td>Area D &amp; US 1</td>
<td>Area D Meets US History Specific Area</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>50</td>
<td>3</td>
<td>Area E</td>
<td>Area E</td>
</tr>
<tr>
<td>Humanities</td>
<td>50</td>
<td>3</td>
<td>C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>Information System and Computer Applications</td>
<td>50</td>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Introduction to Educational Psychology</td>
<td>50</td>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Introductory Business Law</td>
<td>50</td>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>50</td>
<td>3</td>
<td>Area D</td>
<td>Area D</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>50</td>
<td>3</td>
<td>Area D</td>
<td>Area D</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>50</td>
<td>3</td>
<td>Area B1 or B2</td>
<td>Area B1 or B2</td>
</tr>
<tr>
<td>Pre-Calculus</td>
<td>50</td>
<td>3</td>
<td>Area B4</td>
<td>Area A3 Meets Math Competency</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>50</td>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Principles of Macroeconomics</td>
<td>50</td>
<td>3</td>
<td>Area D</td>
<td>Area D</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>50</td>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>50</td>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Principles of Microeconomics</td>
<td>50</td>
<td>3</td>
<td>Area D</td>
<td>Area D</td>
</tr>
<tr>
<td>Social Sciences and History</td>
<td>50</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>CLEP Subject Exam</td>
<td>Passing Score for CSU and Skyline College Associate Degree</td>
<td>CSU Minimum Semester Credits Earned Toward Admission(*)</td>
<td>CSU GE Breadth Certification: 3 semester units unless otherwise indicated (**)</td>
<td>Skyline College Associate Degree GE 3 semester units</td>
</tr>
<tr>
<td>-------------------</td>
<td>------------------------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td>-----------------------------------------------------------------</td>
<td>----------------------------------------------------</td>
</tr>
<tr>
<td>Spanish Level I (1)(2)</td>
<td>50</td>
<td>6</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Spanish Level II (1) (2) If taken prior to fall 2015 (***)</td>
<td>63</td>
<td>12</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>Spanish Level II (1) (2)</td>
<td>63</td>
<td>9</td>
<td>Area C2</td>
<td>Area C2</td>
</tr>
<tr>
<td>Trigonometry If taken prior to fall 2006 (***)</td>
<td>50</td>
<td>3</td>
<td>Area B4</td>
<td>Area A3 Meets Math Competency</td>
</tr>
<tr>
<td>Western Civilization I</td>
<td>50</td>
<td>3</td>
<td>Area C2 or Area D</td>
<td>Area C2 or Area D</td>
</tr>
<tr>
<td>Western Civilization II</td>
<td>50</td>
<td>3</td>
<td>Area D</td>
<td>Area D</td>
</tr>
</tbody>
</table>

(*): These units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD#T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE#Breadth area. See Executive Orders 1036 and 1100 Revised for details.

(**): Areas of CSU GE Breadth (A1 through E) are defined in EO 1100. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 1061, and at assist.org.

(***) Students seeking certification in GE Breadth prior to transfer must have passed the test before this date.

(1) For CLEP tests in the same language other than English: Only one exam score may be applied towards the CSU degree; A passing score of 50 is considered “Level I” and earns six units of baccalaureate credit; A passing score higher than 50 is considered “Level II” and earns additional units of credit and placement in Area C2 of GE Breadth.

(2) If a student passes more than one CLEP test in the same language other than English, then only one examination may be applied to the baccalaureate. For each test in a language other than English, a passing score of 50 is considered “Level I” and earns six units of baccalaureate credit; the higher score listed for each test is considered “Level II” and earns additional units of credit and placement in Area C2 of CSU GE Breadth, as noted.

Reference:

**Defense Language Proficiency Test (DLPT)**

Utilizing the American Council on Education (ACE) recommendations as described below, Skyline College will award three lower division semester units for students who have achieved a passing score on a Defense Language Proficiency Test (DLPT).

The following documents may be accepted to award DLPT GE or course credit:
- Official Defense Language Institute Foreign Language (DLIFLC) Transcripts
- Official Joint Services Transcripts (JST)
- Defense Manpower Data Center (DMDC) DLPT Examinee Results
- DA Form 330 Language Proficiency Questionnaire

**Additional Information on External Exams**

1. Issues around credit for external exams are complex. Where there is common use for general education AREAS as noted above, the application of units for admission, the use of external exams to meet major requirements, and more, is complex and specific to the receiving transfer institution.*
2. In general, students who have earned credit through AP, IB, and/or CLEP should not take a comparable college course because credit will not be granted for both the external examination and the comparable college course.**

3. This chart identifies how the Skyline College applies AP, IB, and CLEP credit to associate degree general education area requirements, CSU GE areas, and IGETC areas in the same manner as the CSU system applies AP, IB, and CLEP credit to CSU GE area requirements. The chart does not provide information about if or how external exam results apply to major course requirements (for the Associate Degree).

4. At Skyline College, each instructional division determines if or how AP, IB, and/or CLEP credit is applied to associate degree major or certificate requirements. Students are encouraged to speak with a counselor for assistance.

5. Transfer Students: This chart does not provide information about transfer credit generated by external exams for the purpose of admissions, nor does it provide information on the application of AP, IB, or CLEP credit to meet lower-division major requirements. Each transfer institution determines if or how external exam results are applied. Students are strongly encouraged to speak with a counselor for assistance.

6. References to use for information about external exams are:
   - CSU Chancellor’s Office, Memo Code ASA-2019-03 System-wide Credit for External Examination, January 28, 2019
   - University of California, AP Credits, retrieved April 15, 2019
   - Refer to the college catalog of your transfer destination to learn more about how external exam credit is applied on that campus.

* Students are strongly encouraged to research this information and work with their counselors to fully understand the application of these units towards transfer.

** Exceptions do apply. Students should work with a counselor to determine if exemptions apply to them.

Revised April 17, 2019
Academic Standards

Academic Standards Policy
The Academic Standards Policy of Skyline College and the San Mateo County Community College District is based on a cumulative grade point average of 2.0 (C), the minimum standard required for graduation or transfer. A grade point average of less than 2.0 is considered deficient.

Grade point average (GPA) is determined by dividing the total number of grade points earned by the total number of letter graded (GPA) units.

Academic standing, including determination of probation or dismissal status, is based upon all coursework completed at Cañada College, College of San Mateo, and Skyline College.

Special program academic eligibility requirements for financial aid, athletics and Veteran’s Educational Benefits may differ. Students should consult with the specific office for applicable program eligibility requirements.

Academic Adjustments For Students With Disabilities
Federal and state legislation requires that community colleges establish programmatic as well as physical access to their academic offerings. Students with verified disabilities have the right to receive reasonable academic adjustments in order to create an educational environment where they have equal access to instruction. The San Mateo County Community College District is responsible to make modifications to academic requirements and practices as necessary – without any fundamental alteration of academic standards, courses, educational programs or degrees – to ensure that it does not discriminate against qualified students with disabilities. Skyline College has developed a procedure for responding, in a timely manner, to accommodation requests involving academic adjustments. This procedure shall provide for an individualized review of each request. The procedure shall also permit the Section 504 Coordinator, or other designated District official with knowledge of accommodation requirements, to make an interim decision pending a final resolution. Further information about this policy may be obtained from the Disability Resource Center Office, Building 5, Room 5-131A.

Academic Probation
A student will be placed on academic probation under the following criteria:

1. Based on low grade point average: A student who has attempted at least 12 semester units, as recorded on their official college transcript, is placed on academic probation if the student has earned below a cumulative 2.0 (C) grade point average.

2. Based on lack of satisfactory progress: A student who has enrolled in a total of at least 12 semester units, as recorded on their official college transcript, is placed on academic probation when the percentage of all units recorded as W, I, NP and NC reaches or exceeds 50 percent. (See Calendar for deadline dates for withdrawal.)

A student may be placed on probation under either or both criteria.

A student on probation may schedule an appointment with a counselor for clearance for removal from probation if that status has resulted from circumstances beyond the student’s control.

Removal from Probation
A student on academic probation on the basis of grade point average is removed from probation when his/her cumulative grade point average is 2.0 (C) or higher.

A student on academic probation on the basis of failure to maintain satisfactory progress is removed from probation when the percentage of units completed is 50 percent or above.

Dismissal
A student in probationary status shall be subject to dismissal if in two subsequent semesters either or both of the following criteria are applicable:

1. The student’s cumulative grade point average is less than 1.75 in all units attempted.

2. The cumulative total of units in which the student has been enrolled for which entries of W, I, NP and NC have been recorded reaches or exceeds 50 percent.

A student in dismissal status must meet with a counselor in the Student Success Program in order to be reinstated to the College and allowed to enroll in classes. The Student Success Program consists of a workshop and meeting with a counselor during the semester. Students in dismissal status are restricted to a limited number of units. The student must demonstrate academic progress during the semester after reinstatement in order to enroll in subsequent semesters. Students who wish to waive the Student Success Program requirements must receive approval from a counselor or the Dean of Counseling.
Academic Renewal

Previously recorded substandard academic performance (grade of "D+", "D", "D-", "F", or "NP") may be disregarded from the computation of the grade point average, if it is not reflective of a student's demonstrated ability. A student may file a formal petition with the Office of Admissions and Records seeking grade alleviation of standard work.

- A maximum of 36 units of course work with substandard academic performance may be alleviated.
- A period of at least one year must have elapsed since the course work to be alleviated was completed.
- To be eligible to apply for academic renewal a student must have completed one of the following benchmarks since the course work to be alleviated was completed:

  - 9 units of course work with a 3.5 cumulative grade point average, or
  - 15 units of coursework with a 3.0 cumulative grade point average, or
  - 21 units of coursework with a 2.5 cumulative grade point average, or
  - 24 units of coursework with a 2.0 cumulative grade point average

Substandard course work to be alleviated must have been completed at Canada College, College of San Mateo, or Skyline College. However, the course work upon which the application for alleviation is based must be completed at a regionally accredited college or university that is accepted by SMCCCD, upon receipt of an official transcript from that institution.

The academic renewal policy may be applied when alleviation of prior course work is necessary to qualify a student for financial aid or admission to a program or transfer to another institution or for completion of a certificate or degree program.

Courses alleviated still reflect a “course attempt” for the purposes of the repeat policy.

When academic course work is alleviated from the computation of the grade point average, the student’s permanent academic record shall be properly annotated in a manner to ensure that all entries are legible, providing a true and complete academic history.

Withdrawal From Classes

To drop/withdraw from a class, students should access WebSMART registration. Official withdrawal is the responsibility of the student. A drop with a refund is subject to refund deadlines. A student who does not withdraw in accordance with established procedures may receive a penalty grade. If you experience a problem with registration, contact Admissions and Records, Building 2, second floor or call (650) 738-4251.

A student may drop a semester-length class during the first three weeks of instruction (one day prior to Census) and no record of the class will appear on the student's academic record. In courses less than a regular semester's duration, a student may drop prior to the completion of 20 percent of the period of instruction and no record of the class will appear on the student's academic record.

After the third week of instruction, a student may withdraw from a semester-length class, whether passing or failing, at any time through the last day of the fourteenth week of instruction (or 75 percent of a term, whichever is less). A "W" grade shall be recorded on the student's academic record. In courses less than a regular semester's duration, a student may withdraw prior to the completion of 75 percent of the period of instruction and a "W" grade shall be recorded on the student's academic record.

The academic record of a student who remains in class beyond the time periods set forth above must reflect a grade using an authorized symbol other than "W" (refer to Grades, Grade Points). A student who must withdraw for verifiable extenuating circumstances (i.e., personal illness, automobile accident, death or severe illness in the immediate family or other severe physical or emotional hardship), may petition the Academic Standards and Policies Review Committee for an exception to this policy.

Military Withdrawal

Military withdrawal may be requested 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, a military withdrawal symbol (MW) will be assigned for each course if the withdrawal occurs after the period during which no notation is made for withdrawals on the student's record. Military withdrawals are not counted in progress probation and dismissal calculations. Students granted military withdrawal may request a refund of the enrollment fee. The entire enrollment fee will be refunded unless academic credit has been awarded.

Course Repetition

A “course repetition” occurs when a student who has previously received an evaluative symbol (i.e. A, A-, B+, B, B-, C+, C, D +, D-, D, F, W, P/NP, CR/NC, RD, I) in a credit course, re-enrolls in that course and receives an evaluative symbol OR attempts a course and receives an evaluative or non-evaluative symbol for the course (i.e. A, A-, B+, B, B-, C+, C, D+, D, D-, F, W, P/NP, CR/NC, RD, I) and wishes to enroll again in the same course. All course attempts in a student's academic record count toward this enrollment limitation.
Course Repetition to Alleviate Substandard Work

1. A student who has earned a substandard grade (i.e., D+, D, D-, F, NP, NC) in a course that is not designated as repeatable may repeat the course to improve the grade. To alleviate substandard work, a “course attempt” occurs when a student receives an evaluative or non-evaluative symbol for the course (i.e., D+, D, D-, F, W, NP, NC). All course attempts in a student's academic record count toward this enrollment limitation.

2. When a student repeats a course to alleviate substandard academic work (i.e., D+, D, D-, F, NP, NC), the previous (i.e., last) grade and credit will be disregarded in the computation of grade point averages. A student may attempt a course a maximum of three times. A “W” counts as a course attempt.

Course Repetition for Satisfactory Work

When a student completes a course that is not designated as repeatable and receives a satisfactory grade (i.e., A, A-, B+, B, B-, C+, C), the student may not repeat the course unless there is another provision that allows the repetition. Examples of these provisions are described below:

Significant Lapse of Time

1. A student may repeat a course in which s/he has received a standard grade (i.e., A, A-, B+, B, B-, C+, C, or Pass) after at least 36 months has elapsed since the student was awarded the grade in the course and the District has established a recency requirement that applies to the course or an institution of higher learning has established to which the student seeks to transfer has established a recency requirement which the student will not be able to satisfy without repeating the course. The student should submit a course repetition request form to the Dean of Counseling.

2. The grade and units from the first course completion will be disregarded in the computation of grade point averages.

3. If a student needs to repeat an active participatory experience course in physical education or visual or performing arts, or an active participatory course that is related in content, due to significant lapse of time, that repetition shall be counted in applying the limit on repetitions. Exception: If the student has already exhausted the number of repetitions permitted, additional repetition due to significant lapse of time may be permitted. The student should submit a course repetition request form to the Dean of Counseling.

Students with Verified Disabilities Repeating a Special Class

A student with a verified disability may repeat a special class designated for students with disabilities any number of times when an individualized determination verifies that such repetition is required as a disability-related accommodation for that student. When a student with a disability repeats a class, the previous grade and credit shall be included in the computation of grade point averages.

2. Special classes are those instructional activities designed to address the educational limitations of students with disabilities who would be unable to substantially benefit from regular classes even with appropriate support services or accommodations.

Variable Unit Courses

1. A student may enroll in a variable unit course as many times as necessary to complete one time the entire curriculum and unit value of the course. However, a student may not repeat any portion of a variable unit course that has already been completed and evaluated.

Legally Mandated Courses

1. A student may repeat a course any number of times where it is required for a student to meet a legally mandated training requirement as a condition of paid or volunteer employment, regardless of whether the student received a substandard grade (i.e., D+, D, D-, F, No Pass). A student must present documentation to the Office of Admissions to certify that the course is legally mandated.

2. A student may petition to repeat a course needed for employment or licensing because of a significant change in the industry or licensure standards. Student may take these courses any number of times. A student must present documentation to the Office of Admissions certify that the course is needed because of a significant change in the industry or licensure standards.

Cooperative Work Experience Education

1. A student may repeat an occupational work experience course if the college only offers one course in occupational work experience in a given field and that course is not offered as a variable unit open-entry/open-exit course.

2. A student may be repeat an occupational work experience course any number of times as long as the student does not exceed the limits on the number of units of cooperative work experience.

Extenuating Circumstances

1. Under certain circumstances, students may repeat a course if extenuating circumstances justify a repetition. Students must provide documentation of the extenuating or extraordinary circumstances to justify such repetition.
Extraordinary circumstances are similar to those that would justify the District in providing a student a refund. Extenuating circumstances are verified cases of accident, illness, natural disaster, or other circumstances beyond the control of the student. Grades awarded for courses repeated under these provisions may be included when calculating a student’s grade point average. Students must present a petition for Extenuating Circumstances to the Office of Admissions.

2. A student may enroll for one additional attempt only if documentable extenuating circumstances exist that match the dates of the course for the previous enrollment. Examples of extenuating circumstances are fire, flood, accident/hospitalization, or other extraordinary documentable experience. Students must present a petition for Extenuating Circumstances to the Office of Admissions.

Courses Similar in Content

1. The colleges have established “families” of courses with similar educational activities (See #2 below.) Although a course cannot be repeated, a student may attempt up to four courses in a subject “family.” This limitation applies even if the student receives a substandard grade (i.e., D+, D, D-, F, NP, NC) or a “W.” Enrollment limitations are monitored district wide for a subject “family.” A list of the courses in subject “families” is published in this catalog.

2. Students may attempt active participatory courses in physical education/kinesiology, and visual or performing arts where the course objectives are met by repeating a similar primary educational activity and an expanded educational experience occurs each time the course is attempted for the following reasons:
   a. The student’s skills or proficiencies will be enhanced by supervised repetition and practice within class periods and
   b. Active participatory experience in individualized study or group assignments is the method to learn the objectives.

General Provisions Regarding Course Repetition

Courses that are repeated shall be recorded on the student’s permanent academic record using an appropriate symbol; the permanent record shall be annotated in a manner that all work remains legible, insuring a true and complete academic history; the District may claim the attendance of students for enrollments in credit courses for state apportionment; nothing in these procedures shall conflict with Education Code, pertaining to the finality of grades assigned by instructors, or with Title 5 or District procedures relating to the retention and destruction of records; course repetition is monitored through the District’s computer programs.

Repeatable Courses

Three types of courses are designated as repeatable and are identified in the college catalog:

Intercollegiate Athletics

Courses in which student athletes enroll to participate in an organized competitive sport sponsored by the district or a conditioning course which supports the organized competitive sport may be designated as repeatable.

Intercollegiate Academic or Vocational Competition

1. Courses that are specifically for participation in non-athletic competitive events between students from different colleges may be designated as repeatable. The course must be tied to the student’s participation in the competition. The event must be sanctioned by a formal collegiate or industry governing body.

2. Enrollment is limited to no more than four times. This enrollment limit applies even if the student receives a substandard grade or “W” during one or more of the enrollments in such a course or petitions for repetition due to special circumstances.

3. When a course is repeated pursuant to this section, the grade received each time shall be included for the purposes of calculating the student’s grade point average.

4. Apportionment shall be limited.

Required by CSU or UC for Completion of a Bachelor’s Degree

Repetition of the course is required by CSU or UC for completion of the bachelor’s degree. Courses are limited to four attempts and this enrollment limitation applies even if the student receives a substandard grade or a “W.”
### List Of Kinesiology Families Across The District

<table>
<thead>
<tr>
<th>Family</th>
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<th>Previous/Equivalent Courses(s)</th>
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<tr>
<td>Resistance Training Family:</td>
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<td>AQUA 135</td>
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<td>Stroke Skill Development Family:</td>
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<td>AQUA 133</td>
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<td>COMB 105.1, 404.1, 404.3, 404.4</td>
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<td>Self-Defense Family:</td>
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<td>COMB 401</td>
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<td>FITN 305.1, 305.2, 305.3, 305.4</td>
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<tr>
<td>(High Impact)</td>
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<td>FITN 314.1, 314.2, 314.3, 314.4</td>
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<td>Cardiovascular Training Family:</td>
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<tr>
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<td>FITN 308.1, 308.2, 308.3, 308.4</td>
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<td>Cross Training Family:</td>
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<td>FITN 112.1, 112.2, 112.3, 112.4</td>
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<td>FITN 117, 118, 119</td>
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<td>FITN 166.1, 166.2, 166.3, 166.4</td>
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<td>FITN 128, 129</td>
<td>FITN 128.1, 128.2</td>
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<td>FITN 237</td>
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<td>Pilates Family:</td>
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<td>FITN 335.1, 335.2, 335.3, 335.4</td>
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<td>FITN 339</td>
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<td>Resistance Training Family:</td>
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<td>FITN 201, 201.1, 201.2, 201.3, 201.4</td>
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<tr>
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<td>FITN 227.1, 227.2, 227.3, 227.4</td>
<td>FITN 227.1, 227.2, 227.3, 227.4</td>
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### List Of Kinesiology Families Across The District

| Yoga Family: | FITN 332, 334, 336, 337, 338 | FITN 332.1, 332.2, 332.3, 332.4  
|  |  | FITN 334.1, 334.2, 334.3, 334.4  
|  |  | FITN 336.1, 336.2, 336.3, 336.4  
| **INDIVIDUAL SPORTS:** | PREVIOUS/EQUIVALENT COURSES(S) | LEVELED/CURRENT COURSES  
| Badminton Family: | INDV 120, 121, 125 | INDV 121.1, 121.2, 121.3, 121.4  
|  |  | INDV 165.1, 165.2, 165.3, 165.4  
|  |  | INDV 167, 168, 172  
| Tennis Family: | INDV 251, 252, 253, 254, 255, 256 | INDV 251.1, 251.2, 251.3, 251.4  
| **TEAM SPORTS:** | PREVIOUS/EQUIVALENT COURSES(S) | LEVELED/CURRENT COURSES  
| Basketball Family: | TEAM 110, 111, 115 | TEAM 111.1, 111.2, 111.3, 111.4, 117  
| Football Family: | TEAM 132 | TEAM 132.1, 132.2, 132.3, 132.4  
| Soccer Family: | TEAM 141, 143, 145, 148 | TEAM 141.1, 141.2, 141.3, 141.4  
|  |  | TEAM 148.1, 148.2, 148.3, 148.4  
| Volleyball Family: | TEAM 171, 173, 174, 175 | TEAM 171.1, 171.2, 171.3, 171.4

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| DANCE: | PREVIOUS/EQUIVALENT COURSES(S) | LEVELED/CURRENT COURSES  
|  |  | DANC 151.1, 151.2, 151.3, 151.4  
|  |  | DANC 167.1, 167.2, 167.3, 167.4  
|  |  | DANC 167, 168, 169  
|  |  | DANC 172.1, 172.2, 172.3, 172.4  
|  |  | DANC 665SF  
| Choreography Family: | DANC 395 | DANC 390  
|  |  | DANC 395.1, 395.2, 395.3, 395.4  
| Composition Family: | DANC 330 | DANC 330.1, 330.2, 330.3, 330.4  
| Classical Family: | DANC 140, 141, 143 | DANC 140.1, 140.2, 140.3, 140.4  
| Dance Accompaniment Family: | DANC 410 | DANC 410.1, 410.2, 410.3, 410.4  
| Dance Production Family: | DANC 400, 450 | DANC 400.1, 400.2, 400.3, 400.4  
| Hip Hop Family: | DANC 150 | DANC 150.1, 150.2, 150.3, 150.4  

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### List of Dance Families

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<thead>
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<th>Family</th>
<th>Previous/Equivalent Courses(s)</th>
<th>Leveled/Current Courses</th>
</tr>
</thead>
</table>
| Jazz Family:    | DANC 117, 130, 131, 132, 205,210, 215 | DANC 117.1, 117.2, 117.3, 117.4  
                  |                                | DANC 130.1, 130.2, 130.3, 130.4 |
| Modern Family:  | DANC 110, 121, 122             | DANC 121.1, 121.2, 121.3, 121.4 |
| Salsa Family:   | DANC, 125, 126, 127, 665SB     | DANC 125.1, 125.2, 125.3, 125.4  
                  |                                | DANC 128.1, 128.2, 128.3, 128.4  
                  |                                | DANC 152, 152.1, 152.2, 152.3, 152.4 |
| Tango Family:   |                                | DANC 161.1, 161.2, 161.3, 161.4  
                  |                                | DANC 161, 162, 163, 164, 165, 166, 260 |
| Folkloric Dance Family: |                                | DANC 115.1, 115.2, 115.3, 115.4 |

### List of Music Families

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<thead>
<tr>
<th>MUSIC:</th>
<th>Previous/Equivalent Courses(s)</th>
<th>Leveled/Current Courses</th>
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| Piano Family:   | MUS. 301, 301.1, 301.2, 301.3, 301.4  
                  | MUS. 302, 303, 304              |

### List of Theatre Arts Families

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<tr>
<th>THEATRE ARTS:</th>
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<th>Leveled/Current Courses</th>
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</thead>
<tbody>
<tr>
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<td>DRAM 201, 201.3, 201.4, 202</td>
</tr>
<tr>
<td>Rehearsal and Performance Family:</td>
<td>DRAM 300</td>
<td>DRAM 300.1, 300.2, 300.3, 300.4</td>
</tr>
</tbody>
</table>
Prerequisites, Corequisites, And Recommended Preparation

The Board of Trustees of the San Mateo County Community College District allows colleges to establish prerequisites, corequisites, and recommended preparation for courses and educational programs. Prerequisites and corequisites must be determined to be necessary and appropriate and must be established in accordance with Title 5 regulations in the California Administrative Code.

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 program. Prerequisites are so designated in course descriptions in this Catalog.

A corequisite is a course that a student is required to take simultaneously in order to enroll in another course. Corequisites are so designated in course descriptions in this Catalog.

Recommended preparation for a course or program is a condition that a student is advised, but not required, to meet before or in conjunction with enrollment. Advisories are designated as “recommended” in course descriptions in this Catalog.

Why Prerequisites and Corequisites?

Title 5 (state regulations that govern community colleges) requires that, if a course has a prerequisite, it must be necessary for the student to succeed in the target course. Furthermore, the college must ensure that the prerequisite is equitably and fairly enforced and that it has been approved in a separate action by the curriculum committee at each college.

What if I am currently enrolled in the prerequisite course(s) within the SMCCCD?

If you are currently enrolled in the prerequisite course(s), the computer will not prevent your enrollment in the desired course. However, should you receive a final grade other than “A,” “B,” “C” or “P” in the prerequisite course(s), you will be notified by Admissions and Records through your student email (my.smccd.edu) that you have been administratively dropped from the course. You are advised to meet with a counselor for further assistance with enrollment.

What if I completed the prerequisite at another college outside the San Mateo County Community College District?

If you believe you have met the stated prerequisite at another college/university outside the San Mateo County Community College District, you must file a Prerequisite Equivalency/Reciprocity of Course Placement form with the Counseling Department. The form is available at the One Stop Center in Building 2. Submit the completed form with a copy of your unofficial transcript or grade report from the other college to the Counseling Appointment Desk in Building 2. If your prerequisite request is approved, the enrollment block will be lifted, allowing you to enroll in the course. If your request is denied, you will be contacted by Counseling through your student email as to the reason(s) why.

How can I challenge a prerequisite?

You can challenge a prerequisite on one or more of four grounds, listed below:

- If you believe you have the knowledge or ability to succeed in the course without completing the prerequisite.
- If you believe that the prerequisite has been established in violation of Title 5 regulations or the SMCCCD District Model Policy.
- If you believe that the prerequisite is discriminatory or is being applied in a discriminatory manner.
- If you believe that the prerequisite course has not been made reasonably available.

How do I file a prerequisite challenge?

If you wish to file a prerequisite challenge, follow these steps:

The Prerequisite Challenge Form is available at the Student Services Information Center in Building 2 or from a counselor, or online at www.skylinecollege.edu/prerequisites/challengeprocess.php. A counselor can help you determine whether you would benefit from the challenge process.

- Next you should contact the appropriate division dean to obtain specific information about filing and documenting your challenge request.
- If you elect to challenge, submit the completed challenge form with documentation to the appropriate Division Office for review.
- You will be notified in 5 business days if your challenge is subsequently approved, and you will be allowed to enroll in the course. If your challenge is not approved, you will be administratively withdrawn from the course.

What message will I receive on WebSMART if I do not meet the prerequisite for the course in which I am attempting to enroll?

If you have not met the prerequisite or presented documentation to challenge the prerequisite you will receive the following message on WebSMART when you attempt to enroll: You do not meet the prerequisites for this course. You will not be able to register for the class until you clear the prerequisite(s). To obtain prerequisite information, equivalency/challenge processes, and forms go to: www.skylinecollege.edu/prerequisites/index.php.

Sequential Courses

To enroll in sequential courses, students must complete the courses in order – e.g., English 836 and Reading 836 must
be completed with a “C” or better grade before a student enrolls in English 100. Also, a student may not enroll in or receive credit for a course taken after successful completion of an equivalent course – e.g., Spanish 111 cannot be taken after successful completion of Spanish 110.

Related Content Courses

1. The SMCCD has established related courses with similar educational activities (See #2 below.) Although a course cannot be repeated, a student may attempt up to four related courses. This limitation applies even if the student receives a substandard grade (i.e., D+, D, D-, F, NP, NC) or a "W." Enrollment limitations are monitored district wide for related courses.

2. Students may attempt active participatory courses in physical education/kinesiology, and visual or performing arts where the course objectives are met by repeating a similar primary educational activity and an expanded educational experience occurs each time the course is attempted for the following reasons:
   • The student’s skills or proficiencies will be enhanced by supervised repetition and practice within class periods and
   • Active participatory experience in individualized study or group assignments is the method to learn the objectives.
Student Rights & Responsibilities

Privacy Rights Of Students

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

1. To inspect and review the student’s education records within 45 days of the day Skyline College receives a request for access. Students should submit to the Dean of Enrollment Services’ Office written requests that identify the record(s) they wish to inspect. The Dean of Enrollment Services will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Dean of Enrollment Services’ Office, the student shall be advised of the correct official to whom the request should be addressed.

2. To request an amendment of the student’s education records that the student believes are inaccurate. Students may ask Skyline College to amend a record that they believe is inaccurate. They should write the Dean of Enrollment Services, clearly identify the part of the record they want changed, and specify why it is inaccurate. If Skyline College decides not to amend the record as requested by the student, the student shall be notified of the decision and advised as to his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. To consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by Skyline College in an administrative, supervisory, academic or research, or support staff position (including law enforcement personnel and health staff); a person or company with whom Skyline College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. As allowed within FERPA guidelines, Skyline College may disclose education records without consent to officials of another school, upon request, in which a student seeks or intends to enroll.

4. To file a complaint with the U.S. Department of Education concerning alleged failures by Skyline College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC, 20202-4605. At its discretion, Skyline College may provide Directory Information in accordance with the provisions of the Family Education Rights and Privacy Act. Directory Information is defined as that information which would not generally be considered harmful or an invasion of privacy if disclosed. Designated Directory Information at Skyline College may include the following: address, telephone number, dates of attendance, degrees and awards received, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, final theses/dissertation, photograph, full-time/part-time status, and most recent previous school attended. Students may withhold Directory Information by notifying the Registrar in writing; please note that such withholding requests are binding for all information to all parties other than for those exceptions allowed under the Act. Students should consider all aspects of a Directory Hold prior to filing such a request. Although the initial request must be filed during the first two weeks of the enrollment period, requests for non-disclosure will be honored by the College for no more than one academic year. Reauthorization to withhold Directory Information must be filed annually in the Registrar’s Office within the first two weeks of any semester.

The Solomon Act requires colleges to release full directory information to the U.S. Armed Forces.

A copy of the Family Educational Rights and Privacy Act (Sec. 438, P.L. 93-380) is available in the Office of Admissions Records, Building 2, Student Services Center, during normal business hours or on the web.

Student Right-To-Know And Campus Security Act

In order to make Skyline College a safe and pleasant environment for students and employees, the College has established procedures in compliance with the Student Right-to-Know (SRTK) and Campus Security Act
STUDENT RIGHTS & RESPONSIBILITIES

(Federal Public Law 101-542). Persons seeking information concerning Skyline College law enforcement procedures, crime prevention efforts, and crime statistics should contact the College Security Office, Building 6, Room 6-106, (650) 738-7000.

The Act also requires institutions to make available the completion or graduation rate of certificate or degree-seeking full-time students. Persons seeking information concerning completion or graduation rates specified by the Act should contact the Office of Admissions and Records, Building 2, Student Services Center, (650) 738-4251, for additional information.

More information about SRTK may be found on the California Community Colleges Chancellor’s Office website at http://srtk.cccco.edu/index.asp.

Academic Integrity / Honesty

Academic dishonesty defrauds all those who depend upon the integrity of the College, its courses and its degrees and certificates. The college community has the responsibility to make every reasonable effort to foster honest academic conduct.

Academic dishonesty occurs when a student attempts to show possession of a level of knowledge or skill that he or she does not possess. The two most common kinds of academic dishonesty are “cheating” and “plagiarism.” Cheating is the act of obtaining or attempting to obtain academic work through the use of dishonest, deceptive, or fraudulent acts. Plagiarism is representing the work of someone else as his/her own and submitting it to fulfill academic requirements.

It is the student’s responsibility to know what constitutes academic dishonesty. If a student is unclear about a specific situation, he/she should speak to the professor. The following list includes, but is not limited to, some of the activities which exemplify academic dishonesty:

**Cheating:**
- Copying, in part or in whole, from someone else’s test.
- Submitting work presented previously in another course, if contrary to the rules of either course.
- Altering or interfering with grading.
- Using or consulting any sources or materials not authorized by the professor during an examination.
- Committing other acts that defraud or misrepresent one’s own academic work.

**Plagiarism:**
- Incorporating the ideas, words, sentences, paragraphs, or parts of another person’s writing, without giving appropriate credit, and representing the product as your own work.
- Representing another’s artistic/scholarly works (such as musical compositions, computer programs, photographs, paintings, drawings, or sculptures) as your own.
- Submitting a paper purchased from a research or term paper service.

**Other specific examples of academic dishonesty:**
- Purposely allowing another student to copy from your paper during a test.
- Giving your homework, term paper or other academic work to another student to plagiarize.
- Having another person submit any work in your name.
- Lying to an instructor or College official to improve your grade.
- Altering graded work after it has been returned, when submitting the work for re-grading without the instructor’s permission.
- Removing tests or examinations from the classroom without the approval of the instructor.
- Stealing tests or examinations
- Having your work corrected for spelling or grammar (if contrary to the rules of the course).
- Forging signatures on drop/add slips or altering other College documents.

**Consequences of Academic Dishonesty:**

Academic and student disciplinary sanctions may be applied in cases of academic dishonesty. Depending on the seriousness of the infraction, you may:
- Receive a failing grade on a test, paper, or examination which may result in a lower course grade or failure in the course.
- Have your course grade lowered, or possibly fail the course.

Under the standards of Academic Sanctions and Disciplinary Sanctions, you may be subject to:
- A warning
- Temporary exclusion from an activity or class
- Censure
- Disciplinary probation
- Suspension
- Expulsion

The Dean of Enrollment Services/Disciplinary Officer maintains a record of students who have engaged in academic dishonesty. This information is used to identify and discipline students who have been reported for academic dishonesty more than once.

**Student Appeals:**

In all instances, a student who has been subject to an academic or disciplinary sanction has the right to appeal the decision of the professor or administrator in accordance with established College due process procedures. Refer to Student Grievance and Appeals Policy in the Student Handbook.
Attendance Regulations

Regular attendance in class and laboratory sessions is an obligation assumed by every student at the time of registration. Regular attendance affords the student the opportunity to acquire the content of the specific session and, over the length of the course, the continuity of the professor's plan for the presentation of the subject matter in the course.

It is the student's responsibility to withdraw when absences have been excessive. Absence means nonattendance for whatever reason. It is the prerogative of the professor to determine when absences are excessive. A guideline used by many professors to determine when absences are excessive is twice the number of class hours that a class meets during a week, or a pro-rata value designed to relate to shorter than semester length courses or practicum intensive programs. This is strictly a guideline and will vary with each professor depending on the subject matter of the course or laboratory. The professor may drop a student from a course if absences, in the opinion of the professor, have placed the student's success in jeopardy.

If there were extenuating circumstances related to the absences which resulted in being dropped from a course, the student may petition the Division Dean within five academic calendar days. The petition must contain an explanation of the absences, progress in the course to date, and justification for reinstatement. If the absences were due to illness, the petition must include a physician's written confirmation or a confirmation from the College Health Center. A student submitting a petition may, with the permission of the professor, remain in class until the decision of the Academic Standards and Policies Committee is reached. After considering the petition, the Committee will make a recommendation to the professor. In all cases, the decision of the professor is final.

Student Code Of Conduct

Students enrolled in the colleges of the District are expected to conduct themselves as responsible citizens and in a manner compatible with the District and College function as an educational institution. Students are also subject to civil authority and to the specific regulations established by each college in the District. Violators shall be subject to disciplinary action, including possible cancellation of registration, and may be denied future admission to the colleges of the San Mateo County Community College District.

The following actions are prohibited and may lead to appropriate disciplinary action:

1. Disruptive behavior, continued disruptive behavior, continued willful disobedience, habitual profanity or vulgarity, the open and persistent defiance of the authority of, or persistent abuse of, College/District personnel, or violating the rights of other students.
2. Assault, battery or any threat of force or violence to a student or District/College personnel on District/College premises or at any time or place while under the supervision of District/College personnel.
3. Causing, attempting to cause, or threatening to cause physical injury or threat of force or violence to the person, property or family of any member of the College community, whether on or off College/District premises as defined below, except in self-defense.
4. Aiding or abetting, as defined in Section 31 of the Penal Code, the infliction or attempted infliction of physical injury to another person.
5. Harassing, intimidating or threatening a student who is a witness in a school disciplinary proceeding, administrative proceeding or law enforcement investigation for the purpose of preventing the student from being a witness or retaliation for being a witness.
6. Causing or attempting to cause, threatening to cause or participating in an act of hate violence, as defined in Education Code Section 233(e).
7. Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.
8. Disorderly conduct or engaging in physical or verbal disruption of instructional or student services activities, administrative procedures, public service functions, or authorized curricular or co-curricular activities or prevention of authorized guests from carrying out the purpose for which they are on campus.
9. Terroristic threats against school officials, students or school property as defined in Education Code Section 48900.7(b).
10. Theft of, damage to, or threat of damage to property belonging to or located on College/District controlled property or facilities, or to the private property located on College/District premises.
11. Knowingly receiving stolen property belonging to the College District.
12. Participation in hazing.
13. Unauthorized entry into, or use of, or misuse of College/District owned or operated facilities.
14. Forgery, alteration, or misuse of College/District documents, records, or identification.
15. Misrepresentation of oneself or of an organization as an agent of the College/District.
16. Dishonesty (such as cheating, plagiarism, or knowingly furnishing false information to the College and its officials).
17. Infringement or violation of copyright laws.
18. Disorderly conduct or lewd, indecent, or obscene conduct or expression including profanity or vulgarity; any expression which is obscene, libelous or slanderous according to current legal standards or which so incites students as to create a clear and present danger of the commission of unlawful acts, or the substantial disruption of the orderly operation of the Community College on any College/District-owned or controlled property or at any College/District-sponsored or supervised function.

19. Extortion or breach of the peace on College/District property or at any College/District-sponsored or supervised function.

20. Unlawful use, sale, possession, offer to sell, furnishing, or being under the influence of any controlled substance (listed in the California Health and Safety Code), alcohol, or an intoxicant of any kind, or a poison classified by laws defining controlled substances while on College/District property, or at College/District functions; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia.

21. Possession, sale, use, or otherwise furnishing of explosives, dangerous chemicals, deadly weapons or other dangerous objects on College/District property or at a College/District function without prior authorization of the Chancellor, College President, or authorized Designee. Possession of an imitation firearm, knife or explosive on College/District property with the intent to threaten, frighten or intimidate.

22. Smoking in any area where smoking has been prohibited by law or by regulation of the College/District. This includes e-cigarettes and other vapor products.

23. Failure to satisfy College/District financial obligations.

24. Failure to comply with directions of College/District officials, faculty, staff, or campus security officers who are acting within the scope of their employment. Continued and willful disobedience or open and persistent defiance of the authority of College/District personnel providing such conduct as related to District/College activities or College attendance or on College/District property.

25. Failure to identify oneself when on College/District property or at a College/District-sponsored or supervised event, upon request of a College/District official acting in the performance of his/her duties.

26. Stalking, defined as a pattern of conduct by a student with intent to follow, alarm, or harass another person, and which causes that person to reasonably fear for his or her safety, and where the student has persisted in the pattern of conduct after the student has been told to cease the pattern of conduct. Violation of a restraining order shall constitute stalking under this policy.

27. Gambling: Betting, wagering or selling pools; playing card games for money; using District resources (telephones, computers, etc.) to facilitate gambling.

28. Committing sexual harassment as defined by law or by District policies and procedures.

29. Engaging in harassing or discriminatory behavior based on nationality, religion, age, gender, gender identity, gender expression, race or ethnicity, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, or on any basis prohibited by law.

30. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct or where the presence of the student causes a continuing danger to the physical safety of students or others.

31. Failure to adhere to safety rules and regulations as directed.

32. Violation of other applicable Federal, State and Municipal statutes and District and College rules and regulations in connection with attendance at programs or services offered by the College/District or while on College/District property or at College/District sponsored activities.

33. Unauthorized computer usage, including: unauthorized entry into a file to use, read, or change the contents, or for any other purpose; unauthorized transfer of a file; unauthorized use of another individual’s identification and password; use of computing facilities to interfere with the work of another student, faculty member, or District official; use of computing facilities to send obscene or abusive messages; use of computing facilities to interfere with the normal operations of District computing.

Actions

Students who engage in any of the above are subject to the procedures outlined in AP 7.69.2 and the sanctions included in 7.69.3.

Definitions

When used in this policy:

1. Student – any person taking or auditing classes at a College in the District or who has been admitted to any of the Colleges within the District.

2. District premises – any building or grounds owned, leased, operated, controlled or supervised by the District.

3. District or School Property – includes both personal and real property owned or controlled by the District.

4. District or College sponsored activity – any activity on or off the District or College premises that is
Disciplinary Action while criminal charges are pending:

Students may be accountable both to law enforcement and to the District for acts that constitute violations of law and of this policy. Disciplinary action at the College/District will normally proceed during the pendency of criminal proceedings, and will not be subject to challenge on the ground that criminal charges involving the same incident have been dismissed or reduced.

No student shall be suspended from a College unless the conduct for which the student is disciplined is related to College/District activity or attendance. Any violation of law, ordinance, regulation or rule regulating or pertaining to, the parking of vehicles, shall not be cause for removal, suspension, or expulsion of a student.

Disciplinary Sanction Procedures

These procedures are designed to provide uniform standards to assure due process rights that are guaranteed by federal and state constitutions when a student is charged with a violation of the San Mateo County Community College Student Code of Conduct, as defined in Board Policy 7.69. 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 procedures that may be initiated. All proceedings held in accordance with these procedures shall relate only to an alleged violation of established standards.

Disciplinary Officer: Each College President will designate an administrator to serve as the College’s Disciplinary Officer. The Disciplinary Officer shall be responsible for investigating and processing the alleged violation of the Student Code of Conduct.

Non-Expulsion Disciplinary Process

Step 1. Incident Occurs

Within twenty (20) days from the time that the Disciplinary Officer is informed of allegations which may constitute a violation of the Student Code of Conduct, the Disciplinary Officer shall conduct a factfinding investigation to determine whether to pursue an Administrative Conference or a Student Disciplinary Hearing.

For the purpose of evaluating whether the student's conduct is a violation of the Student Code of Conduct, no consideration shall be given to the student's actual or perceived disability unless such disability is being asserted by the student as a defense to, in mitigation of a potential violation.

Immediate Interim Suspension: In cases where the alleged violation is deemed by the Disciplinary Officer to pose an imminent threat to the health and safety of the college community, the student may be suspended immediately pursuant to Education Code Section 66017, provided that a reasonable opportunity is afforded a suspended person for a hearing within ten (10) days.

Step 2. Administrative Conference or Student Disciplinary Hearing

Based on the review of the alleged code of conduct violations, the Disciplinary Officer shall determine if the matter goes to an Administrative Conference or to a Student Disciplinary Hearing.

Administrative Conference

The Disciplinary Officer shall schedule a meeting with the student involved to inform the student of the alleged offense. The student will be notified of charges/alleged violations and the basis for the charges. Based on the information at the Conference, the Disciplinary Officer may either dismiss the charges for lack of merit or notify the student of one or more disciplinary actions being taken (described in Step 3). The student may request the opportunity for a Student Disciplinary Hearing.

Student Disciplinary Hearing

Hearing Notice: A notice of the hearing will be sent to the student and shall specify the date, time, and place of the hearing, a statement of the charges against the student, and the date, time, and location that the tangible evidence will be made available for inspection. A copy of the disciplinary procedures shall also be enclosed.

Student Disciplinary Board

The Disciplinary Board shall include: one (1) student selected from the pool submitted by the Associated Student Organization governing body, one (1) faculty member selected from the pool submitted by the Academic Senate and one (1) staff member from a pool submitted by CSEA and the Management Group. A Judicial Officer will also be appointed to assure the process is followed.

No person shall serve as a member of the Disciplinary Board if that person has been personally involved or could otherwise not act in a neutral manner. The student may request the names of the Disciplinary Board members and may challenge for cause any member of the Disciplinary Board by addressing the challenge to the Disciplinary Board Chairperson, who shall determine whether the cause for disqualification has been shown.

The scope of the duties of the Disciplinary Board is to weigh the evidence presented in relation to the alleged violation and, based on the evidence, submit a recommendation.
to the Disciplinary Officer regarding the student’s responsibility for violations of the Code of Conduct.

**Formal Hearing Process**

- **Absence of the Student:** The hearing shall proceed in the absence of the student.
- **Chairperson:** Prior to the hearing, the Board shall select a Chairperson. The chairperson shall preside over the hearing.
- **Behavior:** Disruptive behavior will not be tolerated and will result in exclusion of individuals.
- **Hearing Process:** A document describing the process for conducting disciplinary hearings will be distributed to all members of the Disciplinary Board. The Judicial Officer will assure the process is followed.
- **Charges:** The Chairperson shall distribute copies of the charges and incident reports to the members of the Board, read the charges aloud, and ask the student if the charges have been received.
- **Representation:** The disciplinary hearing is an internal due process hearing conducted by the colleges of the San Mateo County Community College District. Parties are not allowed to be represented by legal counsel at any time during the hearing process.
- **Participants:** A student may be accompanied by a person of his or her choice who is an observer only. Each person present will be asked to identify themselves by name.
- **Witnesses:** Each side shall be entitled to call witnesses. All witnesses shall be excluded from the hearing process except when testifying.
- **The Disciplinary Board may accommodate concerns for the personal safety, well-being, and/or fears of confrontation of the accused student and/or witnesses during the hearing if direct confrontation of witnesses creates an unreasonable risk of psychological or physical harm. Accommodations of such concerns may be addressed by providing separate facilities, providing participation by telephone, videophone, videoconferencing, videotape, audio tape, written statement, or other means, as determined in the judgment of the Disciplinary Officer. Any testimony of a witness that is not subject to the direct examination of an accused student shall only be admitted if the witness signs under penalty of perjury that the testimony is true and accurate.
- **Plea:** The student shall admit or deny responsibility for each charge. If the student admits each charge and wishes to present no evidence of mitigating circumstances or other defense, the Board shall retire to make its decision. If the student denies any or all of the charges, or wishes to present evidence of mitigating circumstances, the hearing shall proceed.
- **Recording:** The hearing may be recorded by the college and shall be the only recording made. The recording shall remain the property of the college. If recorded, no witness who refuses to be recorded may be permitted to give testimony. Committee deliberations shall not be recorded.
- **Information:** Formal rules of evidence shall not apply. All relevant information is admissible, including but not limited to testimony of witnesses, physical objects, police or security officer reports, photographs, and copies of documents. Any and all information will be entered for the record.
- **Disciplinary Board Deliberation:** The Disciplinary Board shall retire to deliberate in closed session with only the members of the Board and the Judicial Officer present. The Disciplinary Board shall reach its decision based only upon the evidence presented and shall not consider matters outside of the record. The Board shall recommend disciplinary sanctions to the Disciplinary Officer based upon its findings.

**Step 3. Disciplinary Action(s) Recommended**

If a student is found responsible for violating the Student Code of Conduct, either through the Administrative Conference or Disciplinary Hearing process, one or more of the following types of disciplinary actions may be recommended.

- **Warning:** An oral statement to the student that he/she is violating the Student Code of Conduct; that continuation or repetition of the conduct may be cause for further disciplinary action.
- **Reprimand:** A written notice of violation of the Student Code of Conduct.
- **Disciplinary Probation:** Formal written notice by the Disciplinary Officer of violation of the Student Code of conduct which includes exclusion from participation in specified activities or locations for a period not to exceed one (1) calendar year. Further violation of the Student Code of Conduct will result in more severe sanctions.
- **Restitution:** Formal action by the Disciplinary Officer to require the reimbursement for damage to or misappropriation of property. This may take the form of appropriate service or other compensation.
- **Exclusion of a student by an instructor or an administrator from a class and/or facility for the day of the offense and/or the next class meeting or day.**

An instructor removing a student from class shall make written report or meet with the appropriate Division Dean and/or Disciplinary Officer to discuss the cause for the removal. An college instructor, for good cause, may remove a student from the classroom for the day of the incident and the next regular class meeting. For removal from class, the following process should be followed:

1. Before ordering the removal of any student from class, the instructor shall first give or make reasonable efforts to give the student an oral or
written notice of the reasons for the proposed removal.
2. Immediately following the removal from class, the instructor shall document the removal and notify the Division Dean and/or Disciplinary Officer of the action.
3. If the student is a minor, the parents or legal guardian shall, within 48 hours, be notified in writing by the Disciplinary Officer.
   • Suspension: Exclusion of the student from all colleges, programs, and activities in the District for a definite period of time. An administrative hold shall be placed on the student's electronic record, but shall not be reflected on the academic transcript.
   • Expulsion: Exclusion of a student by the Board of Trustees from all colleges, programs and activities in the District for an indefinite time period, including all rights and privileges. If an expulsion is recommended, the process in section II, Expulsion Disciplinary Process, should be followed.

Any level of sanction may also include a behavioral contract, community service, and/or any other directives to make amends and/or reduce the likelihood of repeating prohibited behavior.

**Step 4. Written Decision**
- Within five (5) days following receipt of the Disciplinary Board's recommendation, the Disciplinary Officer shall make a written decision.
- The Disciplinary Officer may adopt the recommendations made or make changes.
- The Disciplinary Officer should then promptly send a copy of the decision to the student by certified mail. A copy will also be sent to the College President. If the student is a minor, the report shall be sent to the parent or guardian. If the recommended disciplinary action is expulsion, the recommendation for this action will be made to the Board of Trustees. Expulsion proceedings will be completed upon action by the Board of Trustees.
- A student may appeal the decision using the process outlined in Step 5.
- The College President shall notify the District Chancellor of any decision to suspend a student.
- Disciplinary Records: The Disciplinary Officer shall maintain all records of a disciplinary hearing. Disciplinary files shall be retained for at least five (5) years from the time of a final determination.

**Step 5. Appeal to the College President**
- A student may appeal to the College President within two (2) days of the delivery of the decision to the student. Because suspended students are not allowed on District property, such appeals shall be submitted in writing by email or letter to the College President within two days after receipt of the written decision.
- The student may request the College President to review findings or a sanction recommended as a result of the Student Disciplinary Hearing only if it addresses either 1) due process or 2) new information.
- Due Process: Specific instances or conduct that the accused student claims resulted in a Student Disciplinary Hearing that was not conducted fairly in light of the charges and information presented, and that denied the student a reasonable opportunity to prepare and to present a response to the allegations.
- New Information: If there is new information sufficient to alter a factual finding or recommendation not brought out in the original hearing, because such information was not known to the student at the time of the original Student Disciplinary Hearing. Information shall not be considered "new information" if the student could have learned of the information by avenues reasonably available to him/her.
- The decision on appeal shall be reached within five (5) days after receipt of the appeal documents. Copies of the College President's appeal decision shall be sent to the student and the Chairperson of the Disciplinary Board.

**Step 6. Appeal to the Chancellor**
- The student may appeal, in writing, to the Chancellor within five (5) calendar days after receipt of the decision of the President of the College. The Chancellor, or his/ her designee, shall provide the student with a hearing, if requested, and shall review the appeal. A written notice of the decision of the Chancellor shall be provided to the student within ten (10) calendar days of the review of the student's written appeal. The student shall be advised in writing of his/her further rights of appeal.
- The student may request the Chancellor to review findings or a sanction recommended as a result of the Student Disciplinary Hearing only if it addresses either 1) due process or 2) new information.
- Due Process: Specific instances or conduct that the accused student claims resulted in a Student Disciplinary Hearing that was not conducted fairly in light of the charges and information presented, and that denied the student a reasonable opportunity to prepare and to present a response to the allegations.
- New Information: If there is new information sufficient to alter a factual finding or recommendation not brought out in the original hearing, because such information was not known to the student at the time of the original Student Disciplinary Hearing. Information shall not be considered “new information” if the student could have learned of the information by avenues reasonably available to him/her.
• The decision on appeal shall be reached within five (5) days after receipt of the appeal documents. Copies of the Chancellor’s appeal decision shall be sent to the student and the Chairperson of the Disciplinary Board.

**Step 7. Appeal to the Board of Trustees**

The student may appeal, in writing, to the Board of Trustees within five days after receipt of the decision of the Chancellor. The Board of Trustees shall provide the student with a hearing, if requested, and shall review the appeal. A written notice of the decision of the Board of Trustees shall be mailed to the student and to appropriate staff members, within twenty (20) calendar days following the review. The decision of the Board of Trustees is final.

**Expulsion Disciplinary Process**

Students who have been accused of violating the Code of Conduct go through the Steps 1-4 listed above. If, in Step 3, the recommendation is for Expulsion, the following describes the additional process for that sanction.

Expulsion of a student is the indefinite termination of student status and all attending rights and privileges. Expulsion of a student is accomplished by action of the College President and the Chancellor. An expelled student shall not be allowed to register in any subsequent semester without the approval of the College President. The process is as follows:

• The College President shall forward to the Chancellor a letter of recommendation for expulsion which includes a brief statement of charges and a confidential statement of background and evidence relating to the charge(s).

• The Chancellor shall review the recommendation for expulsion with the Office of County Counsel.

• The Chancellor, as Secretary for the Board of Trustees, shall forward a letter to the student by certified mail to the address last on file with the District, at least three days prior to the meeting, advising him/her of the charges and the intention of the Board of Trustees to hold a closed session to consider his/her expulsion. The letter shall include the date, time and place of the Board’s meeting. Unless a student requests a public hearing in writing at least 48 hours prior to the scheduled hearing, the hearing shall be conducted in closed session.

• The student is entitled to be present during presentation of the case and may be accompanied by a representative. If the student chooses to be represented by an attorney, the student must so notify the Chancellor no later than five working days prior to the hearing. The student has the right to examine any materials upon which charges against him/her are based, and shall be given the opportunity to present his/her evidence refuting the charges to the Board of Trustees. The student or his/her representative may cross-examine any witness. The district bears the burden of proof.

• The report of final action taken by the Board of Trustees in public session shall be made a part of the public record and forwarded to the student. Other documents and materials shall be regarded as confidential and will be made public only if the student requests a public hearing.

**Definitions**

**Party** – The student or any persons claimed to have been responsible for the student’s alleged grievance, together with their representatives. “Party” shall not include the Grievance Hearing Committee or the College Grievance Officer.

**Student** – A currently enrolled student, a person who has filed an application for admission to the 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 76224(a).

**Respondent** – Any person claimed by a grievant to be responsible for the alleged grievance.

**Judicial Officer** – Member of the Student Disciplinary Board responsible for ensuring that the Formal Hearing process is followed according to established procedures.

**Day** – Unless otherwise provided, day shall mean a day during which the college is in session and regular classes are held, excluding Saturdays and Sundays.

**Records Maintenance**

The facts of the disciplinary action shall be documented in the student’s disciplinary record, subject to access, review, and comment by the student as authorized by the Family Educational Rights and Privacy Act (10 USC Section 2332g) and Education Code Section 76200 et seq. All access to or release of such records to members of the public shall also be in accordance with state and federal law.

Upon closure of a disciplinary investigation, conference or hearing, all student disciplinary records shall be maintained in the Office of the Vice President of Student Services at each college, in accordance with the Records Retention requirements of the California Education Code.

**Student Grievances And Appeals Procedures**

Skyline College is committed to the ideal that all students should have recourse from unfair and improper action on the part of any member of the College Community. Skyline College complies with Federal regulations designed to provide equitable treatment of all students regardless of race, national origin, sex, age, sexual orientation or disability (see Title IX of the Education Act of 1972, Section 2019-2020 Catalog
Students filing grade grievances must be able to demonstrate the following:

- She or he has been subject to unjust action
- Denied his or her rights
- Decision or action taken in response to an alleged violation of the Student Code of Conduct or Academic Integrity Policy is harsh or unjust
- Disciplinary procedures where not followed in accordance with College Policies and District Rules and Regulations

Students filing grade grievances must be able to demonstrate the following:

- Mistake
- Fraud
- Bad faith
- Incompetence in the academic evaluation of their performance
- Incompetence in the academic evaluation of their performance in the absence of mistake, fraud, bad faith or incompetence, the grade determined by the instructor shall be final (Ed. Code Section 76224).

Grade grievances must be filed within one year of issuance of the grade in dispute.

Filing all grievances and appeals must be done in accordance with the College Policies and District Rules and Regulations.

Complaints of sexual harassment, or unlawful discrimination should be directed to the Human Resources Department of the San Mateo County Community College District. For more information about procedures for filing these complaints, please visit the San Mateo County Community College District website www.smccd.edu or stop by the District Office, 3401 CSM Drive, San Mateo CA, 94402.

At any time during the progress of the procedure outlined below, informal resolution of the problem may be sought by mutual agreement. For grade grievances, refer to B, Grade Grievances. For parking citations, refer to C, Parking Citation Appeals.

A. Academic (Excluding Grade) and Non-Academic Grievances and Appeals

Step 1 – College Level

a. Before initiating formal appeal procedures, the student shall attempt to resolve the dispute informally with the appropriate staff member at the point of initial decision. If the dispute is not resolved, the student may initiate a formal appeal with the Vice President of Student Services and must do so within one (1) year of the incident on which the grievance is based or within one (1) year after the student learned of the basis for the grievance. The Vice President of Student Services shall advise the student, within five (5) days, of his or her rights and responsibilities, assist the student in the final preparation of the grievance and determine whether the grievance will be remanded to a hearing of the Grievance Committee or reviewed with an appointed mediator. Specific information regarding timelines for grievances remanded to the Grievance Committee is outlined in the Student Grievances and Appeals Procedures, 7.73.1. The Vice President of Student Services will ensure that a student filing a grievance and the Grievance Committee members are provided copies of grievance procedures, including timelines.

b. Appeal to the President

i. If the College President has been previously involved in the decision or action under appeal, the student may proceed directly to Step 2 (Appeal to the Chancellor). 7.73 Student Grievances and Appeals.

ii. In the event that the dispute has not been resolved during the course of earlier appeal procedures, the student may appeal in writing to the President within five (5) days after receipt of the decision made in response to the initial appeal. The President shall provide the student with a hearing, if requested, and shall review the appeal. A written notice of the President's decision shall be provided to the student within ten (10) days of the hearing by the President.

Step 2 – Appeal to the Chancellor

If a dispute has not been resolved at the College level, the student may appeal, in writing, to the Chancellor within five (5) days after receipt of the decision made in response to the initial appeal. The President shall provide the student with a hearing, if requested, and shall review the appeal. A written notice of the President's decision shall be provided to the student within ten (10) days of the review of the student's written appeal.

Step 3 – Board Level

a. If the dispute has not been resolved during the course of earlier procedures, the student may appeal in writing to the Board within five (5) days after receipt of the decision of the President. The Chancellor, or his/her designee, shall provide the student with a hearing, if requested, and shall review the appeal. A written notice of the decision of the Chancellor shall be provided to the student within ten (10) days of the review of the student's written appeal.

b. The Board shall provide the student with a hearing, if requested, and shall review the appeal. A written notice of the decision of the Board shall be mailed to the student and to appropriate staff members within twenty (20) days following the hearing. The decision of the Board is final.

B. Grade Grievances

Grades can only be grieved according to the criteria outlined in Education Code 76224.

Before initiating formal appeal procedures, the student shall attempt to resolve the grade dispute informally with the instructor. If the dispute is not resolved, the student...
may initiate a grade grievance with the appropriate division dean. If the grievance is not resolved at the division dean level, the student may appeal to the Vice President of Instruction. The decision of the Vice President on grade-related grievances is final. There is a deadline of one (1) year from the date that the grade is posted for a student to initiate a grade change.

C. Parking Citation Appeals
Park- ing citations may be contested by completing a request online by visiting http://www.pticket.com/csm/.

Temporary Leave of Absence
Students who will be absent for more than one week should notify their professors and make arrangements for work assignments.

Holds On Student Records
A hold will be placed on a student's record by the District or Cashier's Office for fees and any other financial obligations owed to Cañada College, College of San Mateo, and/or Skyline College. Students are advised to check WebSMART for holds that have been placed on their records. A student's educational records, including transcripts, will not be released while an outstanding balance remains on their account.

Fines
Fines are assessed for failure to comply promptly with library regulations. Students are also required to pay for careless or unnecessary damage to College property. Students who are delinquent in their financial obligations to the College may not receive grade reports or other records of their work until such delinquencies have been adjusted to the satisfaction of the College authorities.

Field Trip/Excursion Guidelines
Throughout the semester/school year, the District may sponsor voluntary off-campus extracurricular field trips/excursions. If you choose to participate, be advised that pursuant to California Code of Regulations, Subchapter 5, Section 55450, you have agreed to hold the District, its officers, agents, and employees harmless from any and all liability or claims which may arise out of or in connection with your participation in the activity.

Non-District Sponsored Transportation
Some classes may be conducted off campus. Unless you are specifically advised otherwise, you are responsible for arranging for your own transportation to and from the class site. Although the District may assist in coordinating the transportation and/or recommended travel times, route or caravanning, be advised that the District assumes no liability or responsibility for the transportation, and any person driving a personal vehicle is not an agent of the District.

Policy On Drug-Free Campus
Skyline College, in compliance with the Federal Drug-Free Schools and Communities Act Amendments of 1989, prohibits the use, possession, sale or distribution of alcohol, narcotics, dangerous or illegal drugs or other controlled substances on College property or at any function sponsored by the District or Colleges. This policy includes the use of medical marijuana/cannabis.
Students are expected to conduct themselves as responsible citizens and in a manner compatible with the Community College function as an educational institution. Students are subject to civil authority and to all District and College rules and regulations. Students found to be in violation of the drug-free campus policy by manufacturing, distributing, dispensing, possessing or using controlled substances, as defined in California statutes, on any District property will be subject to disciplinary measures up to and including suspension and expulsion.

The College Health Center provides information pertaining to the health risks and effects associated with alcohol and narcotics or other dangerous or illegal drugs. Students may be referred to various outside agencies for enrollment in a drug recovery program.

Policy On Sexual Assault
Education And Prevention
In accordance with California Education Code, Section 67385.7, and District Rules and Regulations 2.29, the San Mateo County Community College District is committed to providing programs and services that educate all students, faculty and staff on the prevention of sexual assault.
Any sexual assault or physical abuse, including but not limited to rape, domestic violence, dating violence, sexual assaults or stalking as defined by California law, whether committed by an employee, student, or member of the public, that occurs on District property, is a violation of District policies and procedures and is subject to all applicable punishment, including criminal procedures and employee or student discipline procedures. Students, faculty, and staff who may be victims of sexual and other assaults shall be treated with dignity and provided comprehensive assistance.
In partnership with various community agencies, individuals who are victims of sexual assault or have concerns related to sexual assault shall receive support and assistance. Students, faculty and staff who need information or assistance related to sexual assault prevention, sexual assault services, and procedures related to the reporting
of sexual assault incidents on campus may contact the Student Health Center, the Public Safety Department Office, or call the Public Safety Dispatch at (650) 738-4199 or the Office of the Vice President of Student Services at (650) 738-4333. Information about the policy and how to make a report may also be obtained at http://smccd.edu/titleix/.

**Sexual Harassment Involving Students**

It is the policy of the San Mateo County Community College District to prohibit, in any and all forms, the sexual harassment of its students and staff. Sexual harassment of students by other students, staff or members of the public while on district property and/or the harassment of staff by students or members of the public while on district property is considered intolerable behavior that will be investigated and acted upon immediately. (Board Policy 7.67)

According to both State and Federal laws and guidelines issued by the Equal Employment Opportunity Commission (EEOC), sexual harassment is a form of discrimination. Sexual harassment is misconduct that can change the course of careers, disrupt the climate of an entire class, affect academic performance, and undermine the integrity of educational relationships. It is an abuse of power which confuses the boundaries of personal and professional roles and breaches trusting relationships which should exist among members of the College community.

1. It is the policy of the San Mateo County Community College District to provide its students with a learning environment free of sexual harassment and intimidation. This policy addresses interactions between a student and faculty, staff members, or other students. Because of the seriousness of these matters, the District will make every effort to assure that sexual harassment does not occur and will take disciplinary actions up to and including dismissal or expulsion for policy violation. It is the responsibility of each District employee and student to maintain a level of conduct that is in compliance with District policy.

2. For purposes of this policy, sexual harassment is defined as unsolicited and unwelcome sexual advances, requests for sexual favors, and/or other verbal, physical, or visual conduct of a sexual nature which occur under any of four circumstances:
   a. Submission is made, either explicitly or implicitly, a term or condition of admission to or retention in a course or program;
   b. Submission or rejection by a student is used as a basis for grading;
   c. Submission or rejection by a student affects negatively a student’s class performance, opportunity to benefit from class participation, or constitutes a disruption of the learning process;
   d. Such conduct creates, encourages, or condones an intimidating, hostile, or otherwise offensive environment for learning and/or teaching.

3. Sexual harassment includes, but is not limited to, the following:
   a. Making unsolicited written, graphic, verbal and/or physical contact with sexual overtones. Written examples: suggestive or obscene letters, notes, invitations, or electronic communications (e.g. text messages, emails, videos.) Graphic examples: prurient display of objects, pictures, cartoons, or posters. Verbal examples: derogatory comments, slurs, jokes, innuendos and epithets. Physical examples: indecent exposure, lewd acts, assault, touching, gestures, impeding or blocking movement.
   b. Continuing to express sexual interest after being informed that the interest is unwelcome. (Mutual attraction is not considered sexual harassment.)
   c. Making reprisal, or implied threats of reprisal, following a negative response. This can include denial of, or actually withholding, support or opportunities normally provided in the form of counseling or other services, suggesting the assignment of a poorer grade than earned.
   d. Engaging in implicit or explicit coercive sexual behavior which has the effect of controlling, influencing, or affecting the enrollment, grade, academic success, and/or learning environment of any student.
   e. Offering favors or preferential treatment such as: assignment of better grades than earned; opportunities for extra credit; recommendations, favorable assigned duties or shifts; or other benefits in exchange for sexual favors.

4. **Complaint Procedures**
   a. Staff to Student or Student to Student
      1. If a student complainant feels that a specific act or environment
is offensive and in violation of this policy, the complainant should first notify the offender in an effort to stop the offensive behavior. If the behavior does not stop, or the complainant does not wish to confront the offender directly, the student should notify the Vice President, Student Services or designee.

2. Once received, the complaint will be investigated and acted upon in accordance with District Rules and Regulations. The Office of Personnel Services will be notified of all claims of sexual harassment at the time the complaint is received. Investigations involving faculty or staff members will be coordinated by the Vice Chancellor of Human Resources and Employee Relations.

b. Student to Faculty/Staff

1. If a faculty or staff member is the complainant and feels that a specific act committed or environment created by a student is offensive and in violation of this policy, the complainant should first notify the offender in an attempt to stop the behavior.

2. If the behavior continues, the complainant will then notify the Vice President, Student Services or designee. Such continued behavior constitutes a disruption of the learning and teaching environment.

3. Once received, the complaint will be investigated and acted upon in accordance with District Rules and Regulations. The Office of Personnel Services will be notified of all claims of sexual harassment at the time the complaint is received. Investigations involving faculty or staff members will be coordinated by the Vice Chancellor of Human Resources and Employee Relations.

c. In accordance with the guidelines on sexual harassment of the Equal Employment Opportunity Commission, the District intends: 1) to raise the subject of sexual harassment affirmatively in formal staff training and other arenas; 2) to express strong disapproval for the inappropriate behavior; and 3) to implement this policy fully.

d. District employees or students found to be in violation of this policy may be subject to full disciplinary measures up to and including dismissal or expulsion, as appropriate, pursuant to any and all established District procedures. For represented employees, any action taken in response to a complaint under this policy is subject to the provisions of collective bargaining agreements. Upon request by the collective bargaining units, the District will negotiate any issues related to the complaints or investigations under this policy that are mandatory subjects for bargaining.

e. For represented employees, any action taken in response to a complaint under this policy is subject to the provisions of collective bargaining agreements. Upon request by the collective bargaining units, the District will negotiate any issues related to the complaints or investigations under this policy that are mandatory subjects for bargaining.

f. Non-represented employees found to be in violation of this policy may be subject to full disciplinary measures up to and including dismissal or expulsion, as appropriate, pursuant to any and all established District procedures.

Prohibition of Harassment

1. All forms of harassment are contrary to basic standards of conduct between individuals and are prohibited by state and federal law, as well as this policy, and will not be tolerated. The District is committed to providing an academic and work environment that respects the dignity of individuals and groups. The District shall be free of sexual harassment and all forms of sexual intimidation and exploitation, including acts of sexual violence. It shall also be free of other unlawful harassment, including that which is based on any of the following statuses: race, religious creed, color, national origin, ancestry, physical disability, mental disability, genetic information, medical condition, marital status, sex, gender, gender identification, gender expression, age, or sexual orientation of any individual, military and veteran status, or
because an individual is perceived to have one or more of the foregoing characteristics. This policy shall apply to all employees, students and any other individuals who come onto District property.

2. The District seeks to foster an environment in which all employees and students feel free to report incidents of harassment without fear of retaliation or reprisal. Therefore, the District also strictly prohibits retaliation against any individual for filing a complaint of harassment or for participating in a harassment investigation. Such conduct is illegal and constitutes a violation of this policy. All allegations of retaliation will be swiftly and thoroughly investigated. If the District determines that retaliation has occurred, it will take all reasonable steps within its power to stop such conduct. Individuals who engage in retaliatory conduct may be subject to disciplinary action, up to and including termination or expulsion. Engaging in intimidating conduct or bullying against another employee through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyber bullying are strictly forbidden.

3. Any individual who believes that he or she has been harassed, bullied or retaliated against in violation of this policy and wishes to report such incidents should use the procedure provided by his/her supervisor or the office of the Vice President of Student Services. Supervisors are mandated to report all incidents of harassment and retaliation that come to their attention to the Vice Chancellor of Human Resources and Employee Relations.

4. This policy applies to all aspects of the academic and work environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any District activity. In addition, this policy applies to minors as well as adults, and to all terms and conditions of employment, including but not limited to hiring, placement, promotion, disciplinary action, layoff, reemployment, transfer, leave of absence, training opportunities, assignment of work hours and projects, and compensation.

5. The Chancellor shall ensure that the institution undertakes education and training activities to counter discrimination and to prevent, minimize and/or eliminate any hostile environment that impairs access to equal education opportunity or impacts the terms and conditions of employment.

6. The Chancellor shall establish procedures that define harassment throughout the District. The Chancellor shall further establish procedures for employees, students and other members of the District community that provide for the investigation and resolution of complaints regarding harassment and discrimination. All participants are protected from retaliatory acts by the District, its employees, students and agents.

7. The District shall promptly investigate and resolve complaints of harassment and will assure that any harm resulting from the harassment will be promptly redressed by restoring any lost benefit or opportunity. All participants are protected from retaliatory acts by the District, its employees, students, and agents.

8. This policy and related written procedures shall be widely published and publicized to administrators, faculty, staff, and students, particularly when they are new to the institution. They shall be available for students and employees on the District’s public website.

9. It is the responsibility of each individual to maintain a level of conduct that is compliant with this policy. Employees who violate the policy and procedures may be subject to disciplinary action up to and including termination. Students who violate this policy and related procedures may be subject to disciplinary measures up to and including expulsion.

Smoke Free Campus

Skyline College is committed to providing its students, employees, guests, and children in the Child Development Center with a safe and healthy environment. Based on this commitment, the College implemented a smoke free campus beginning the fall semester 2009. "Smoking" means engaging in an act that generates smoke or vapor, such as possessing a lit pipe, a lit hookah pipe, electronic cigarettes, or other imitation cigarette devices, a lit cigar, or a lit cigarette of any kind according to Board Policy 2.27. The active participation and cooperation of all students, faculty, staff, and guests in promoting a healthy and safe environment at Skyline College is greatly appreciated. All college constituencies and guests are expected to observe the smoke free policy. Tobacco-free resources are available in the Student Health Center, located in Building 2, Rm. 2209, (650) 738-4270 and on the Skyline College website. A printed Smoke Free Policy and Resource Guide are widely available in various locations on campus. For additional information regarding the smoke free policy and designated areas, please contact the Vice President of Student Services at (650) 738-4333 or the Chief of Public Safety at (650) 738-4455.

Designated Smoking Areas are in or near the following Parking Lots:

- Lot E: Near Bus Stop & Near Loading Dock of Bldg. 1
- Lot F: Near Bldg. 10
Policy And Procedures For Unlawful Discrimination Complaints

The policy of San Mateo County Community College District is to provide an educational and employment environment in which no person shall be unlawfully denied full and equal access to, the benefits of, or be unlawfully subjected to discrimination on the basis of ethnic group identification, national origin, religion, age, sex, race, color, ancestry, sexual orientation, gender, gender identity or physical or mental disability in any program or activity that is administered by, funded directly by, or that receives any financial assistance from the State Chancellor or Board of Governors of the California Community Colleges.

The policy of the District is also to provide an educational and employment environment free from unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct or communications constituting sexual harassment. Read more about district policies at the Student Grievance Process webpage at http://www.skylinecollege.edu/officevpss/studentgrievanceprocess.php.

Employees, students, or other persons acting on behalf of the District who engage in unlawful discrimination as defined in this policy or by state or federal law may be subject to discipline, up to and including discharge, expulsion, or termination of contract.


The Officer designated by the District to receive and investigate staff and student complaints of unlawful discrimination is the Vice Chancellor, Human Resources and Employee Relations, at (650) 358-6767. Additional information available at the Student Grievance Process webpage http://www.skylinecollege.edu/officevpss/studentgrievanceprocess.php.


For complete Board Policies, please visit http://www.smccd.edu.

1 If the federal statutes cited above would result in broader protection of the civil rights of individuals then that broader protection or coverage shall be deemed incorporated by reference into, and shall prevail over conflicting provisions of Title 5, section 59300, as cited in the Model Policy.
Revisions of Regulations or Policies

Any changes in regulations or policies adopted by the San Mateo County Community College District Board of Trustees or the administration of Skyline College will be considered an official ruling and will supersede any regulation or policy on the same subject which appears in this Catalog and/or other official publications, provided that the new regulation or policy has been officially announced and posted.

Use of Technology In The Classroom Policy

Students may only use hand-held and wireless technology for legitimate and appropriate educational purposes such as defined by the instructor. The instructor may limit any use of hand-held or wireless technology that disrupts learning opportunities, degrades the learning environment, or promotes academic dishonesty or illegal activities. Students who require access to hand-held or wireless technology as assistive measures for documented disabilities may use them according to their accommodations as provided by the Disability Resource Center. A violation of this policy may result in disciplinary action. Sanctions are explicitly stated in the College's Student Code of Conduct.
Student Resources

Athletics
Skyline College sponsors men's and women's intercollegiate athletic competition within the Coast Conference. Skyline College participates as a member of the Coast Conference in the following intercollegiate sports:

**VARSITY**
- Varsity Baseball
- Men's Varsity Basketball
- Men's Varsity Soccer
- Varsity Wrestling
- Women's Varsity Badminton
- Women's Varsity Basketball
- Women's Varsity Soccer
- Women's Varsity Volleyball

Intercollegiate athletic competition is governed by the Coast Conference and the California Community College Athletic Association (CCCAA). Obtaining clearance for athletic eligibility often requires considerable checking of records. These procedures should be started well in advance of the opening of each athletic season. The Athletic Director will interpret the State Athletic Constitution and Bylaws along with Conference regulations for all persons concerned. In general, the following principles pertain to matters of eligibility:

1. In order to be eligible, a student-athlete must be actively enrolled in a minimum of 12 units during the season of sport. Such eligibility is required for non-conference, conference, and post-conference participation.

2. To be eligible for the second season of competition, the student-athlete must complete and pass 24 semester units with a cumulative 2.0 (C) grade point average. These units must be completed prior to the beginning of the semester of the second season of competition. All units must be completed and passed at a regionally accredited post-secondary institution with at least six of the units earned in their previous semester as a full-time student.

3. A student transferring for academic or athletic participation, who has previously participated in intercollegiate athletics at another California Community College, must complete 12 units in residence prior to the beginning of the semester of competition.

4. In order to continue athletic participation in any sport, the student-athlete must maintain a cumulative 2.0 (C) grade point average in accredited post-secondary coursework computed since the start of the semester of first participation and pass at least six units in their previous semester as a full-time student.

5. The 12 unit residency rule for previous participants will be waived for a student-athlete who has not competed at a post-secondary institution in the past two years.

6. In meeting the unit requirements, courses in which grades of D, F, or NC were received may be repeated. Under special circumstances, courses that have been completed with a grade of C or better may be repeated; however, the units will not be counted toward the minimum unit requirement in the semester of competition.

Student-athletes who plan to transfer prior to receiving an Associate degree should meet with their counselor/coach and verify eligibility status for transfer based on past work and test scores from high school.

Those students who transfer to a four-year school for athletic competition and wish to seek financial assistance must meet minimum requirements in accordance with the Bylaws of the National Collegiate Athletic Association (NCAA) or the National Association of Intercollegiate Athletics (NAIA).

Questions regarding eligibility should be addressed to the Dean of Kinesiology/Athletics/Dance, Building 3, Room 3130, or call (650) 738-4271. Eligibility questions may also be researched by visiting [www.cccaasports.org](http://www.cccaasports.org), [www.ncaa.org](http://www.ncaa.org), and [naia.org](http://naia.org).

Skyline College Bookstore

The Bookstore

Course materials, books, and supplies may be purchased at the Skyline College Bookstore or online at [http://bookstore.skylinecollege.edu](http://bookstore.skylinecollege.edu).

**Textbook Information:** Students may find information about the textbooks and course materials for the courses in which they are enrolled by logging into WebSMART or going to [http://bookstore.skylinecollege.edu/SelectTermDept.aspx](http://bookstore.skylinecollege.edu/SelectTermDept.aspx).

Please visit the Bookstore's website at [http://bookstore.skylinecollege.edu](http://bookstore.skylinecollege.edu) or call the Bookstore at (650) 738-4211 for store hours, book sell back hours, or more information.

**Digital Textbooks - Inclusive Access**

The Inclusive Access – Digital Textbooks program is a new textbook model created in collaboration with top publishers and the bookstore that converts books into dynamic digital content that lowers the cost of course materials for all students in the course using this.
The digital content also includes Interactive Learning Platforms, interactive abilities with CANVAS, and other benefits:

- Automatically billed to your WebSMART account at the beginning of the semester for enrolled students
- Discounted access for digital content
- Discounted print book upgrade (if available) at the bookstore

To opt out and not participate in the program for courses that are part of the Inclusive Access program, please visit the Skyline College Bookstore website at bookstore.SkylineCollege.edu, click on Inclusive Access, and follow the instructions on that page.

**Graphic Arts & Production**

Skyline College Bookstore's Graphic Arts & Production (GAP) department (located in Pacific Heights) offers high quality photocopying (black & white and color), and production services at great prices to the Skyline College and SMCCCD community.

For operating hours or more information, please visit our website at http://bookstore.skylinecollege.edu/SkyGAP. For pricing information or a quote, please contact GAP at (650) 738-7014 or email at skygap@smccd.edu.

**Calworks**

Skyline College provides support services to students who are receiving CalWORKs/TANF (cash assistance) benefits. Support services to eligible students include individualized counseling, career and transfer planning, priority registration, job development assistance, work study, transportation assistance, and welfare-to-work advocacy. The CalWORKs office is located in Building 2, Room 2-321B. For more information call (650) 738-4315.

CalWORKs faculty and staff have identified the following Student Learning Outcomes for the various services provided by the CalWORKs Program:

- Students will be able to develop a Student Educational Plan (SEP) that reflects the requirements for certificate, associate degrees and/or transfer.
- Students will be able to utilize tools to communicate with staff and receive program information.

**Outreach**

**Connecting Skyline College with Our Community**

Our Outreach team meets the community where they are – in high school classrooms, at local events, in community organizations and here on campus. We're the face of Skyline College, and we want to make sure we empower people of all ages to meet their educational goals by enrolling at Skyline College.

**Campus Housing**

Skyline College does not provide campus housing. The College occasionally receives calls and rental listings from rental agencies, landlords or individuals who are looking for roommates. All rental information received is posted on the second floor of Building 6, Student and Community Center. To post rental information or advice on apartment searches, please contact the Center for Student Life and Leadership Development at (650) 738-4275.

**Study Abroad**

The San Mateo County Community College District Study Abroad Program, housed at Skyline College, offers students of all ages the opportunity to study and live abroad. Students can earn up to 12 units toward an A.A./A.S. degree which are transferable to the California State University System, the University of California System and most private colleges and universities. Upcoming study abroad destinations include:

- **Semester Abroad Program**: Fall 2019 semester in Barcelona, Spain; Spring 2020 semester in Florence, Italy; and Fall 2020 semester in London, England.
- **Short-Term Study Abroad Courses**: Italy, South Africa, and Spain in June 2020.
- **Global Internships**: Chile, Czech Republic, Hong Kong, Germany, Ireland, New York, France, San Francisco, South Africa, and Spain in Summer 2020 for two months.
- **Campus France**: Students who complete an A.A./A.S. in Business or a related field from Skyline College may be eligible to transfer to the Rennes School of Business to finish their B.A. in one year in France.

**Community Travel**: Not-for-credit educational travel tours for adults and lifelong learners – September 2019 in Ireland, February 2020 in India, March 2020 in Italy, and October 2020 in Japan.

Financial aid and scholarships are available for eligible students for Semester Abroad, Short-Term Study Abroad, Global Internships, and Campus France Transfer Programs. Early planning is advisable. For more information and eligibility requirements, visit www.smccd.edu/studyabroad or email studyabroad@smccd.edu.

**Career Services Center**

The Career Services Center offers a wide variety of services and resources to assist students with their individual career and employment goals. Students are encouraged to explore career options by taking advantage of our comprehensive career services:

- Career and academic counseling
- Career assessments and Interpretations – aid in determining personal traits, interests, values, and strengths related to individual career paths.
can be helpful for an undecided student when selecting his/her major academic concentration.

- Employment and Internship Services: Students and local residents can obtain personalized job search and internship assistance.
- Workshops that address career research and Job Search skills such as resume support, interview preparation and on-campus job and internships database.
- Job and Internship Postings at www.collegecentral.com/skylinecollege
- Meet Your Major Fair and Job/Internship Fair
- Career Conversation Series, Employer Meet and Greets
- Get Work Wednesdays and Make a Difference Mondays
- Career exploration and job-search resources detailing preparatory education, training requirements, and labor market trends for specific career fields
- EUREKA, a computer-based California Career Information System

The Career Services Center faculty and staff have identified the following Student Learning Outcomes for the various services provided by Career Services:

- Students who access Career Services will learn techniques to improve their potential to find employment.
- Students who take career assessments and review the results with a career faculty will be able to identify potential careers and related majors.
- Students will have access to Career Services Resources.

Career Technical Education (CTE) Transitions

Skyline College CTE Transitions programs strengthen opportunities for students to engage in career education pathways within high school and gain access to early college through partnerships with local high schools, and other industry partners. CTE Transitions programs prepare students for success in high-skill, in-demand; livable wage careers through curriculum that integrates academics and career focused education with hands-on experience in priority and emerging sectors.

CTE Transitions allows the granting of college credit for articulated courses and dual enrollment programs that are successfully completed by students while attending high school, or with other industry partners. College credit will be posted to a student's transcript according to the criteria stipulated in the articulation and dual enrollment agreement.

CTE Transitions is funded through the Carl D. Perkins Career and Technical Education Improvement ACT of 2006 (Perkins IV) using the option of a “10% Reserve” set-aside from Title I, Part C Funding.

CTE Transitions focuses on five objectives: outreach and career exploration, articulation, concurrent/dual enrollment and work-based learning.

For more information regarding partnership or student opportunities please contact Andrea Vizenor, Director Career and Workforce Programs via email at vizenorasmccd.edu or 650-766-5060.

The Center For Career And Workforce Programs

The Center for Career and Workforce Programs brings together career education and workforce programming. The Center collaborates with Skyline College academic departments and programs, business and industry, community-based organizations, and governmental agencies to connect individuals with effective career education programs that provide college credit and access to in-demand careers. The Center develops and administers federal, state, local, and foundation grants and contracts for career education and economic and workforce development projects and initiatives. The Center facilitates the delivery of workforce development programs, college and career connection events, employer panels, innovative industry partnerships and services designed to meet local labor market needs.

The Center for Career and Workforce Programs is responsible for coordinating the delivery of contracted worksite or campus-based customized training and educational solutions using credit and not-for-credit courses, associated services, and programs requested by the public and private-sector organizations. Training services are provided when and where they are needed and when they are requested during the workday, after hours, at the worksite, or on the campus. The Center is located in Building 1, Room 1311. For more information, please contact Andrea Vizenor, Director of Career and Workforce Programs at vizenorasmccd.edu, (650) 738-7124 or visit http://www.skylinecollege.edu/workforcedevelopment/.

Child Care Services

The Skyline College Child Development Laboratory Center (CDLC) provides a comprehensive child care and early education program for students, staff, and faculty of Skyline College and community members. The CDLC is child-centered and offers a play-oriented approach.
to learning in a safe and nurturing environment. The Master Teachers are highly qualified and certificated professionals in Early Childhood Education. The CDLC also serves as a laboratory school for Skyline College students in various disciplines and a model training site for Early Childhood Education students and the community. The program provides the following services for children and families: child care and early education experiences from 7:30-5:00 pm during the regular academic calendar, three nutritious daily meals, observation and assessment of children's typical development, resources and referrals for a wide variety of supports for children and families, parent information and workshops on topics relevant to families with young children, and home visits/conferences to discuss children's development and school readiness skills. The Skyline College CDLC is partially funded by the California Department of Education and income eligible student-families may receive child care subsidies. For more information, call (650) 738-7070, email skylinecdc@smccd.edu, or visit our website at: http://skylinecollege.edu/childdevelopmentcenter/.

Community, Continuing and Corporate Education Programs

The Community, Continuing and Corporate Education (CCCE) Department at San Mateo County Community College District provides a full range of training and services to San Mateo County residents, families and businesses through increased lifelong learning and professional certifications for adults, expanded academic and fitness programming for youth, customized workforce training for public and private-sector organizations, and Intensive English Programs for international students. For a full range of live and online classes and training opportunities, please call (650) 574-6149 or visit http://edthatworks.smccd.edu.

CCCE also offers the Bay Area Pathways Academy™ (BAPA), a comprehensive academic, enrichment and fitness summer program at the College of San Mateo for students entering grades 6 to 9. The Bay Area Pathways Academy™ is an enhanced summer program offering an exciting array of grade-appropriate academic classes, engaging enrichment classes and fun fitness and aquatics classes, including the opportunity to register for up to 3 two-week sessions. For more information, call (650) 574-6149 or visit www.bayareapathwaysacademy.org.

CCCE is also pleased to offer the Silicon Valley Intensive English Program (SVIEP). This exciting program of study is for students seeking high-quality, intensive English instruction and the opportunity to attend one of our three colleges. Upon successful completion of SVIEP level 4, students are guaranteed admission to Cañada College, College of San Mateo, or Skyline College, and then take an Exit and Placement Exam to determine appropriate placement. For more information please call SVIEP at (650)-381-3514 or visit http://smccd.edu/sviep.

CARE - Cooperative Agencies Resources For Education

Cooperative Agencies Resources for Education (CARE), a program within EOPS, is specifically designed for EOPS students who are single heads of household, who have a child under 14 years of age, and who are receiving CalWORKs/TANF for their children. CARE provides additional support services in addition to all EOPS services, such as transportation assistance, vocational grants, school supplies, and special workshops designed to meet the needs of CARE students. For more information call (650) 738-4315.

The Bay Area Entrepreneur Center (BAEC)

The Bay Area Entrepreneur Center (BAEC) The Bay Area Entrepreneur Center, hosted by Skyline College, is an off-campus resource for start-up businesses designed to nurture the development of local and small businesses throughout the Bay Area and will enhance our community's entrepreneurial climate by retaining businesses, accelerating growth and diversifying local economies. The center is part of the suite of the Career and Workforce Program services and is located at 458 San Mateo Avenue, in downtown San Bruno. The center holds classes, seminars and workshops for members of the community and students alike and offers office space, business support services and other resources at an affordable rate.

Student Drop-In Computer Lab

The Student Drop-In Computer Lab is located in the Library on the second floor of Building 5. It is open to students and the public from 8:00 a.m. to 9:00 p.m. Monday through Thursday, 8:00 a.m. to 4:00 p.m. on Friday and 12:00 p.m. to 5:00 p.m. on Saturday.

Students have access to 46 PCs, located at Tables A-F. Table A is designated as 15 minute express stations for students in a hurry (no log-in required). The computers come with Microsoft Office 2016, Adobe Creative Suite 6, Windows Movie Maker, etc. Students also have access to pay-as-you-go print services through Pinnacle. Black & White printing is available at 12 cents per page after the purchase of a Print Card.

Continuing Education Hours For Health Professionals

The following courses comply with the requirements of the Board of Registered Nursing for continuing education hours taken by registered nurses and vocational nurses for their re-licensures. The general public is welcome unless course description states otherwise.
Skyline College will issue a certificate to each licensee as verification that the established criteria for successful completion of these courses have been met. One unit of credit equals 15 CEU hours. Skyline College meets requirements for BRN CEUS.

Courses approved for CEU hours include, but are not limited to, the following:

- Anthropology 110, 360
- American Sign Language 111, 112
- Business 101, 103, 123
- Career 665
- Communication Studies 130
- Computer Science 155
- Family & Consumer Sciences 212, 310
- Health Science 130, 150
- History 235
- Italian 111, 112, 121, 122
- Japanese 111, 112
- Mathematics 200
- Philosophy 103, 240
- Psychology 105, 110, 171, 200, 201, 268, 301, 390
- Respiratory Care 430, 445, 450, 460, 475, 485, 490
- Sociology 105, 141, 201, 665
- Spanish 110, 111, 112, 120, 121, 122, 130, 140

**Disability Resource Center**

Skyline College's Disability Resource Center (DRC) is designed to equalize the educational opportunities of students with disabilities. Skyline College offers services to students with learning disabilities, psychological disabilities, and long or short-term physical disabilities. Services include, but are not limited to, note taking, ASL interpreting, registration assistance, extended testing time, lockers, assistive technology classes, adaptive physical education classes, alternate formats of textbooks and printed materials upon request.

Skyline College and the Disability Resource Center are committed to providing services that will enhance the educational experience of students with disabilities. For a more detailed description of the program, stop by the DRC, Building 5, Room 5-132, or call (650) 738-4280.

**The Disability Resource Center faculty and staff have identified the following Student Learning Outcomes for the various services provided by the Disability Resource Center:**

- Student will be able to demonstrate knowledge of their disabilities, accommodations, and services available for them.
- DRC students will use their accommodations (i.e., test proctoring, textbooks in alternate format, and text-to-speech program such as Kurzweil 3000).
- Students will show they are satisfied with the types and availability of services provided by DRC.

**Assistive Technology Program**

The Assistive Technology (AT) Program gives students with disabilities access to computers using adaptive software and hardware and courses to support their use of assistive technology. Students learn to use these tools while completing coursework from other classes in which they are enrolled. Students with disabilities have access to the computers with adaptive hardware and software throughout the day and evenings at various locations on campus and in Building 5, Room 5-131, during Assistive Technology Lab hours. The software available for students includes, but is not limited to, scan and read programs (e.g., Kurzweil 3000/1000), voice recognition (e.g., Dragon 3000/1000), and computer-based research information into their overall educational goals.
NaturallySpeaking), word prediction (e.g., WordQ), screen magnification (e.g., ZoomText), and a screen reader (e.g., JAWS).

As part of the Assistive Technology Program, students with learning or physical disabilities may request and receive their textbooks, tests and classroom materials in alternate format (e.g., electronic text, Braille or large print) from the Alternate Media Specialist. For more information, contact the Assistive Technology Program Office, Building 5, Room 5-131, or call (650) 738-4497.

**Differential Learning Skills Program**

The Differential Learning Skills Program (DSKL) offers services to students with suspected and documented learning/learning-related disabilities. Services include, but are not limited to, evaluation and document review, assistance with accommodations, development of advocacy skills, courses to support their learning, review of learning styles and related study strategies. For further information, visit the Disability Resource Center, located in Building 5, Room 5-132, or call (650) 738-4108.

**Online Education**

Skyline College offers a range of fully online and hybrid (partially online) courses. Many of these courses can be applied to meet certificate, associate degree, and university transfer requirements. Students that are enrolled in online education courses have the same status as students enrolled in on-campus courses. You have access to support services and financial aid, and are held to the same college and academic policies. Skyline College maintains an online education website with student readiness support materials, student online resources, and student success in online education resources: [www.skylinecollege.edu/onlineeducation](http://www.skylinecollege.edu/onlineeducation)

The Skyline College Class Schedule lists online education offerings for each semester. Additional information about Distance (Online) Education in the San Mateo County Community College District can be found at the District’s Distance Education Gateway website ([www.smccd.edu/degateway](http://www.smccd.edu/degateway)). This site provides a comprehensive summary of district offerings and distance education program information.

If you have questions about Online Education at Skyline College, please contact the Skyline Online Education office housed in the Center for Transformative Teaching and Learning (CTTL) at [skylinede@smccd.edu](mailto:skylinede@smccd.edu) or drop by the Online Education Office located in Building 5, Room 5118.

**Educator Preparation Institute (EPICenter)**

The EPICenter (Educator Preparation Institute) provides support encouragement and assistance to students with education based majors. The EPICenter is a flexible learning environment providing academic support with an education library, computers, and student assistants. The EPICenter offers a quiet space for study, collaboration, and child based materials for students to utilize. The EPICenter sponsors several teacher preparation and education related conferences and workshop throughout the academic year. The EPICenter gives students a chance to work on school projects, meet other students with similar majors, and participate in teacher prep activities. The EPICenter is located in Building 8, Room 8-317. For more information, contact Kristina Brower at (650) 738-4304 or email [brower@smccd.edu](mailto:brower@smccd.edu), or Kate Williams Browne at (650) 738-7092 or email [brownek@smccd.edu](mailto:brownek@smccd.edu).

**ESL Connect**

ESL Connect helps non-native English speakers apply to Skyline College and make use of the resources at Skyline College so that they can achieve their educational goals. The ESL Connect can help with the following:

- Applying to Skyline College
- Selecting and enrolling in classes
- Planning for certificates, degrees, and transfer goals
- Applying for financial aid
- Providing support for learning English
- Help with accessing on- and off-campus programs and services:
  - Tutoring services
  - Academic support programs and campus activities
  - Career information and services
  - Childcare, legal and healthcare services
  - Financial coaching, food assistance programs, public benefits

The ESL Connect is located in Building 1, Room 218. Contact Mylene Foo at (650) 738-7167 or [foo@smccd.edu](mailto:foo@smccd.edu) for additional information.

**Extended Opportunity Program And Services (EOPS)**

Extended Opportunity Program and Services (EOPS) is designed to improve access, retention and completion of educational goals for students who are low income and educationally disadvantaged. EOPS students have the potential to succeed in college but have not been able to realize their potential because of economic and/or educational barriers.

EOPS offers a range of services such as academic, career, personal counseling, priority registration, transfer assistance, UC, and CSU admission application fee waivers, book grant or voucher service, and calculator and SMART pen loan program. In addition, students who are single heads of households receiving AFDC/TANF or CalWORKs with a child under the age of 14 are eligible for the Cooperative Agencies Resources for Education (CARE) program. CARE provides additional services and support to students.
students by way of transportation assistance, grants, and special workshops specifically tailored to the needs of CARE students.

EOPS is committed to helping students access the resources necessary to succeed in college and works cooperatively with other programs and services on campus whose goals are enhancing scholastic achievement and academic excellence. EOPS also sponsors activities and workshops that provide cultural enrichment and promote personal growth.

The EOPS office is located in Building 2. For additional assistance call (650) 738-4139, visit the EOPS web page at http://www.skylinecollege.edu/eops, or send an email to skyeops@smccd.edu.

Financial Aid

Skyline College is dedicated to the concept that no individual should be denied an education solely for financial reasons. Financial aid provides access and resources to those students who need financial assistance to meet the basic costs of attending college. All students are encouraged to apply for financial aid.

There are four types of financial aid: 1) Grants, 2) Scholarships, 3) Work Study, and 4) Loans. There are two primary sources of financial aid – the Federal government and the State of California. To be eligible for all federal and state financial aid, students must meet the following criteria:

- Have a high school diploma or California accepts GED, HISET and TASC tests as high school equivalencies, or have completed at least six (6) degree applicable units prior to July 1, 2012 at one of the colleges in the SMCCCD.
- Be enrolled in an eligible program leading to an associate degree, certificate or transfer toward a university at any of the colleges in the San Mateo County Community College District. The Emergency Medical Technician (EMT) certificate Program is NOT an eligible course of study for federal and most state financial aid.
- Be a U.S. citizen or eligible non-citizen*. Note: Some State of California programs may have a less restrictive citizenship requirement for non U.S. citizens.
- Have completed the enrollment process which involves assessment testing, college orientation and completion of a Student Educational Plan (SEP) with a counselor.
- Submit all required forms and documents requested by the Financial Aid Office or Department of Education
- Meet and maintain satisfactory academic progress requirements as defined by the Financial Aid Handbook.
- Have financial need (except in the case of unsubsidized federal loans) as demonstrated by a completed FAFSA (available online at www.FAFSA.gov) or California Dream Act Application (available at www.dream.csac.ca.gov) and Financial Aid Office review.
- Register with the Selective Service if you are male between 18 and 25 years of age.
- Do not owe a refund or repayment on a federal grant.
- Not be in default on a federal educational loan or owe a repayment to a federal grant program.
- For Federal Financial Aid supply an accurate Social Security Number and name. If you are a dependent student, your parent may not be required to have a valid Social Security Number.
- Not a conviction for a drug-related crime (possession or sales) that occurred when you were receiving federal aid.
- Students with a Bachelor’s Degree are not eligible for Pell Grant or FSEOG funds, but may be eligible for CCPG waiver, Federal Work Study and/or loans.

Awards and Disbursement of Financial Aid

Students can check their Financial Aid status through WebSMART by following these steps:

- Login to WebSMART
- Click on the “Financial Aid” tab
- Click on “My Overall Status of Financial Aid”
- Make sure to select a specific “Aid Year” and click “Submit”
- Here you will find Cost of Education, Status of Academic Progress and Award Information (which is the amount of Financial Aid you have been awarded, if any)
- Also check under “My Overall Status of Financial Aid” to see if there are any Unsatisfied Tracking Requirements. If you have any Unsatisfied Tracking Requirements, please make sure to submit all documents to the Financial Aid Office.
- You will be notified of your Financial Aid award 2-3 weeks via email after your file is complete

All financial aid funds are disbursed on scheduled dates each term. Federal grant aid (Pell Grant, Supplemental Educational Opportunity Grant) disburses twice each term with 50% of the scheduled award being disbursed on or after each scheduled date based on the student’s enrollment level and program eligibility. Federal Direct Loans are also disbursed in two payments based on the approved loan period. Cal Grant Full-Time Incentive, Community College Completion Grant funds are disbursed in a single payment each term on the first scheduled disbursement date of the semester.

During the enrollment process, students can choose from a few preferred methods for receiving financial aid or scholarship funds from the College. Please visit
Return of Federal Funds

When a Student Withdraws:

Students who receive federal financial aid and do not attend any classes or who withdraw from all classes prior to completing more than 60% of the semester will be required to repay all or part of any unearned funding that was paid to them. A student's withdrawal date, for purposes of federal financial aid, will be determined as follows:

1. The date the student officially notified the Admissions Office of his or her intent to withdraw, or
2. The midpoint of the semester for a student who leaves without notifying the college, or
3. The student's last date of attendance at a documented, academically-related activity.

Students will be billed for any funds that are required to be repaid. Funds must be repaid immediately or the student may be reported to the U.S. Department of Education for a grant overpayment.

Further information about all programs and types of resources available can be found in the Student Financial Aid Handbook at www.skylinecollege.edu under Financial Aid, or at the Financial Aid Office in Building 2, Student Services Center, or by calling (650) 738-4236

Student Learning Outcomes

The Financial Aid staff have identified the following Student Learning Outcomes for the various services provided by Financial Aid:

- Students will be able to identify financial aid resources for which they may qualify, submit applications and meet deadlines. [ISLO: Communication and Information Literacy]
- Students who receive financial aid will demonstrate knowledge and understanding of the Satisfactory Academic Progress “SAP” Policy for financial aid purposes. [ISLO: Critical Thinking and Communication]
- Students will gain understanding of the requirements, rights and responsibilities, and repayment obligations associated with acquiring a federal student loan. [ISLO: Communication and Lifelong Wellness]

Experimental Site Initiative - Loan Counseling

Beginning in the 2017-18 academic year, the San Mateo County Community College District is part of an undergraduate Direct Loan counseling experiment with the Department of Education. Students who have previously completed entrance counseling and are selected for the experiment will be notified via their school email address. As part of this experiment, student’s Direct Loan disbursements are conditional upon completion of additional in-person loan counseling. A schedule of workshops for all three campuses will be posted on the District Website.

Respiratory Care, Baccalaureate Degree Program - Financial Aid

Financial Aid in forms of Federal, State aid is available for students eligible and accepted into the Bachelor of Science in Respiratory Care Program at Skyline College by completing a FAFSA (www.fafsa.gov) or California Dream Act Application (www.caldreamact.org). Apply early and follow the “Steps to apply for Financial Aid” section located on our homepage at: www.skylinecollege.edu/financialaid. Workshops are also available for students needing assistance completing their financial aid application, see our events calendar on our homepage. Also, online instructional videos can be viewed 24/7 on our homepage by clicking on FATV.

Eligibility for various scholarship programs would be determined by the individual scholarship or program students apply for. Additional information on scholarships, internal and external, can be located on our homepage at: www.skylinecollege.edu/financialaid.

The California College Promise Grant (CCPG) is available (for California State residents or AB 540 exempt students) to cover $46 per unit of lower division coursework and can be determined by submitting a FAFSA or Dream Act application. If eligible for a CCPG, the total cost of enrollment for students will be $84 per unit for upper division coursework.

Students may be eligible for the Cal Grant B Program. Cal Grant B provides a living allowance of to $1,672 in addition to tuition assistance. The CCPG waives $46 of the $130 per unit for the Bachelor’s Degree Program. The Cal Grant B Program will assist with the remaining $84 per unit.

Students may be eligible for third year Direct Loan awards which are subsidized up to $5,500 and unsubsidized up to $7,000. Check in with the Financial Aid Office for additional assistance.
# Major Financial Aid Programs

## GRANTS - Need-based financial aid that does not have to be repaid

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>WHO CAN APPLY</th>
<th>ANNUAL AWARDS UP TO...</th>
<th>FILING DEADLINE</th>
<th>FORMS REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cal Grant A</td>
<td>California Community College Students</td>
<td>Tuition at University on reserve until transfer</td>
<td>March 2 and Sept. 2</td>
<td>FAFSA, verified GPA Dream Act Application</td>
</tr>
<tr>
<td>Cal Grant B Access</td>
<td>Undergraduates</td>
<td>$1,672</td>
<td>March 2 and Sept. 2</td>
<td>FAFSA, verified GPA Dream Act Application</td>
</tr>
<tr>
<td>Cal Grant B Tuition</td>
<td>Bachelors of Science Respiratory Care</td>
<td>Varies based on cost of upper division</td>
<td>March 2</td>
<td>FAFSA, verified GPA Dream Act Application</td>
</tr>
<tr>
<td>Cal Grant C</td>
<td>Technical and Career Education Students</td>
<td>$1094</td>
<td>March 2</td>
<td>FAFSA, SEP Dream Act Application</td>
</tr>
<tr>
<td>California College Promise Grant (CCPG)*</td>
<td>California Community College Students</td>
<td>Waives “per unit” registration fee Limits parking fee to $30 per semester</td>
<td>Applications accepted throughout the year</td>
<td>FAFSA or CCPG Application on WebSMART Dream Act Application</td>
</tr>
<tr>
<td>CCPG for Bachelor of Science Respiratory Care*</td>
<td>All Students accepted into B.S. Respiratory Care Program</td>
<td>CCPG will pay $46 per unit. Student pays $84 per unit</td>
<td>Contact the Financial Aid Office</td>
<td>FAFSA or Dream Act Application</td>
</tr>
<tr>
<td>Chafee Grant</td>
<td>Current and Former Foster Youth</td>
<td>$5,000</td>
<td>Go to <a href="http://www.csac.ca.gov">www.csac.ca.gov</a></td>
<td>FAFSA and Application Form</td>
</tr>
<tr>
<td>Federal Pell Grant</td>
<td>Undergraduates</td>
<td>$6,195</td>
<td>End of term or by end of school year</td>
<td>FAFSA</td>
</tr>
<tr>
<td>Federal Supplemental Grant</td>
<td>Undergraduates</td>
<td>$100-$800</td>
<td>May 2 priority</td>
<td>FAFSA</td>
</tr>
<tr>
<td>Special Fee Waivers* (See CCPG form)</td>
<td>Surviving Dependents of: Law Enforcement Personnel, Firefighters, VA, National Guard, Congressional Medal of Honor, Victim of 9/11</td>
<td>Waives $46 per unit registration fee</td>
<td>Contact the Financial Aid Office</td>
<td>Submit documentation to the Financial Aid Office</td>
</tr>
<tr>
<td>Student Success Completion Grant</td>
<td>California Community College Students</td>
<td>$1,298 - $4,000 Annual Award (Awards vary based on enrollment units per term)</td>
<td>March 2</td>
<td>FAFSA, Dream Act Application, Student Educational Plan, Cal Grant Eligible.</td>
</tr>
</tbody>
</table>

## LOANS - Money borrowed for college costs that must be repaid, with interest

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>WHO CAN APPLY</th>
<th>ANNUAL AWARDS UP TO...</th>
<th>FILING DEADLINE</th>
<th>FORMS REQUIRED</th>
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<tbody>
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</table>

2019-2020 Catalog
Direct Subsidized Loan
Undergraduate
$3,500 – $4,500
Contact the Financial Aid Office
Direct Loan Request Form, Transcript, and SEP

Direct Subsidized Loan for B.S. Respiratory Care
Bachelor of Science Respiratory Care Students
$5,500
Contact the Financial Aid Office
Direct Loan Request Form, Transcript, and SEP

Direct Unsubsidized Loan
Undergraduate/Graduate Students
$6,000
Contact the Financial Aid Office
Direct Loan Request Form, Transcript, and SEP

Direct Unsubsidized Loan for B.S. Respiratory Care
Bachelor of Science Respiratory Care Students
$7,000
Contact the Financial Aid Office
Direct Loan Request Form, Transcript, and SEP

Direct Plus Loan
Parents of Dependent Undergraduate Students
Variable
Contact the Financial Aid Office
Direct Loan Request Form, Transcript, and SEP

WORK STUDY - Money for college earned by student

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>WHO CAN APPLY</th>
<th>ANNUAL AWARDS UP TO...</th>
<th>FILING DEADLINE</th>
<th>FORMS REQUIRED</th>
</tr>
</thead>
</table>
| Federal Work-Study Student Assistant
Undergraduate and Graduate Students | Up to $6,000
Contact the Financial Aid Office | FAFSA

CalWorks Work Study
CalWORKS Student
Variable
Contact the EOPS Office
Contact the EOPS Office

SPECIAL PROGRAMS - Funding that does not have to be repaid

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>WHO CAN APPLY</th>
<th>ANNUAL AWARDS UP TO...</th>
<th>FILING DEADLINE</th>
<th>FORMS REQUIRED</th>
</tr>
</thead>
</table>
| Extended Opportunity Programs and Services (EOPS)
California Community College Students | $900
Contact the EOPS Office | FAFSA or Dream Act Application, CCPG Application

Cooperative Agencies Resources for Education (CARE)
California Community College Students
Variable
Contact the EOPS Office
Contact the EOPS Office

College Scholarships
Skyline College Students, Transfer Students and Incoming High School Students
$100-$2,000
See website: www.skylinecollege.edu/financialaid/scholarships.php
Scholarship Application • Letter of Recommendation • Personal Statement • Unofficial Transcript

*Annual Awards are subject to change.

*NEW NAME CHANGE: California College Promise Grant Program (CCPG) formerly known as Board of Governors Fee Waiver

In support of AB1741: California College Promise Innovation Grant Program, the Online BOG Fee Waiver Application is changing its name to the California College Promise Grant Application (CCPG) (formerly known as the BOG Fee Waiver Application).

LOSS OF CCPG:
Recent eligibility regulations went into effect as of the fall 2016 semester requiring all California Community College students to meet minimum academic and progress standards to receive and maintain eligibility for the CCPG (SB 1456 Student Success Act of 2012).

Students must:

1. Maintain a cumulative GPA of 2.0 (Academic Standard)
2. Successfully complete more than 50% of all units attempted (Progress Standard)

Students placed on academic and/or progress probation for two consecutive primary terms (fall or spring semester) will lose eligibility for the CCPG. Please see http://smccd.edu/faprobation. Students are encouraged to utilize the numerous support services on campus to help them regain good academic standing.

Part-time or full-time students may qualify for the CCPG as explained below. Arrangements for assistance should be made prior to registration to avoid being dropped for non-payment. The application is available on-line through WebSMART and paper applications for the current year under Financial Aid Forms at www.skylinecollege.edu/forms/financial.php.

NEW: CCPG-Homeless Youth

As of January 1, 2017, AB 801, the Success of Homeless Youth Act, adds “homeless youth” as an eligible group of students for a few waiver. A “homeless youth” under this section is a student under 25 years of age, who has been verified at any time during the 24 months immediately preceding their application for admission as a homeless youth, as defined in the federal McKinney-Vento Homeless Assistance Act.

A student who is verified as a homeless youth as defined above will retain that status for up to six years or age of 25. For more information and assistance, homeless youth should contact the Financial Aid Office or SparkPoint.
Food Service

Sky Cafe
Pacific Dining's Sky Café (located in the Fireside Dining Room in Building 6) offers many delicious items from burgers to fresh deli sandwiches to various ethnic items to healthy alternatives.

Sky Café also offers catering services for on campus meetings and events. Please contact Rick McMahon at rick@pacific-dining.com or (408) 406-8487 for your catering needs.

World Cup Coffee & Tea
Skyline College Bookstore's World Cup Coffee & Tea (located in the Fireside Dining Room in Building 6) offers many popular beverages from Starbucks, Tazo, Naked Juice, and Pepsi; fresh pastries delivered daily; and many healthy alternatives.

World Cup Coffee & Tea is also available for small on campus catering. Please visit our website at http://bookstore.skylinecollege.edu/Home.aspx for our catering form and operating hours.

Foster Youth Programs And Services

Guardian Scholars Program
The Guardian Scholars program provides additional resources, services and a dedicated space to all current and former foster youth at Skyline College.

Students may be eligible for the following resources:

• Transportation assistance
• School Supplies
• Lunch Vouchers
• Employment opportunities
• Additional scholarships
• Financial Aid Liaison
• Priority Registration

For more information regarding programs and services for Foster Youth, please contact the Guardian Scholars Program at (650) 738-4315 or via email at quachs@smccd.edu. For inquiries pertaining to Financial Aid, please call at (650) 738-4236 or email at skyoffice@smccd.edu.

Global Learning Programs & Services Division

The African Diaspora Program (ADP)
The African Diaspora Program (ADP) is planned as an interdisciplinary academic program. ADP supports initiatives that represent the contributions of people of African descent in various parts of the world through lectures, symposia, conferences, service learning, and internships.

Initiatives include:

• International studies and study abroad programs
• Art and cultural experiences at Skyline College

International Students Program (ISP)
Skyline College is authorized under federal law to enroll non-immigrant students. The International Student Program is intended for students who are seeking or already hold F-1 student visas. Complete information regarding the program is available on the International Student Program website www.skylinecollege.edu/ international or by contacting the International Student Program at skyinternational@smccd.edu.

Skyline College Passport Office
The Skyline College Passport Office is a U.S. Department of State designated Passport Acceptance Facility. As a Passport Acceptance Facility, the office is authorized to receive completed applications for a U.S. Passport and submit the application along with all necessary documentation to the U.S. Department of State. The U.S. Department of State will then determine eligibility for a U.S. Passport and makes the final decision to issue a passport to an applicant.

Services offered:

• Receive and submit completed application and necessary documentation for a U.S. passport (or passport card) to the U.S. Department of State.
• Provide on-site passport photo services ($8 tax inclusive) for passport applications or visa applications.
• Provide the necessary forms required to apply or renew a U.S. passport.
• Provide other passport-related forms.
• Field any questions regarding the passport application process.
• Provide expedited passport application processing.

For more information or to schedule an appointment to apply for a U.S. Passport, visit www.skylinecollege.edu/passport or email skylinepassportservices@smccd.edu.

Study Abroad
The San Mateo County Community College District Study Abroad Program, housed at Skyline College, offers students of all ages the opportunity to study and live abroad. Students can earn up to 12 units towards an A.A./A.S. degree which are transferable to the California State University System, the University of California System and most private colleges and universities. Upcoming study abroad destinations include:

• Semester Abroad Program: Fall 2019 semester in Barcelona, Spain; Spring 2020 semester in Florence, Italy; and Fall 2020 semester in London, England.
**Health & Wellness Services**

All students have access to Health & Wellness Services. We provide health care, personal counseling services, health & wellness education and referrals to off campus resources. Our mission is to cultivate a holistically healthy, safe and equitable community. We commit to advancing health equity, so every person has the opportunity to attain their full health potential: physically, emotionally, socially, mentally and academically. For more information, visit the website at [skylinecollege.edu/healthandwellness](http://skylinecollege.edu/healthandwellness).

**Health Center**

The Health Center is open on a drop-in basis to advise students regarding acute or chronic illnesses and injuries. We evaluate symptoms, refer if necessary, to local community clinics or doctors, and provide first aid for injuries or accidents.

Other services include but are not limited to health screenings for blood pressure, hearing, vision, Tuberculosis, and pregnancy; immunizations, blood work, testing for sexually transmitted infections, nutrition counseling, stress reduction information, and crisis intervention. Counseling and referrals for issues related to alcohol and drugs, eating disorders, sexual assault, and other related matters are also available.

Emergency and accident insurance coverage is in effect when students are on campus or attending college sponsored events. Students are encouraged to carry their own health and dental insurance.

The Skyline College Health Center is located in Building 2, Room 2209. Check online for hours of operation [skylinecollege.edu/healthandwellness/healthcenter.php](http://skylinecollege.edu/healthandwellness/healthcenter.php).

**Personal Counseling**

Personal counseling offers brief confidential individual counseling, crisis intervention, mental health and substance abuse assessments, and community referrals.

The goal of counseling is to support students in identifying and managing personal concerns, learn more about themselves and make positive life changes. Talking about issues and concerns in a safe and confidential environment can enable students to become more successful in college and life. Benefits of counseling include relief from distressing symptoms; improved emotional health; the acquisition of new approaches to problem solving and decision making; more satisfying interpersonal relationships; and increased insight and understanding of thoughts, feelings and behaviors.

The Personal Counseling is staffed by licensed mental health professionals. We are open to all currently enrolled Skyline College students and is free of charge. Drop-in counselling is available without an appointment Monday through Thursday from 12:00 p.m. - 1:00 p.m. Referral information for longer term counseling is also provided.

Personal Counseling Services are located in Building 2, Room 2206 (near the Health Center.) Check [skylinecollege.edu/healthandwellness/personalcounseling.php](http://skylinecollege.edu/healthandwellness/personalcounseling.php) for hours of operation. Personal Counseling Services is closed on weekends. Please drop in or call the Center at 650-738-4270 to make an appointment.

**Hermanos & Hermanas Connection to College**

The goal of Los Hermanos and Hermanas Connection to College is to increase the number of Latino students graduating from high school and enrolling in higher education. In partnership with Parkway Heights Middle School and South San Francisco High School, Hermanos and Hermanas Connection to College is committed to providing structured support to the Latino community beginning in middle school and continuing through the end of their senior year and enrollment in higher education.

Students begin in 8th grade and start taking significant concurrent enrollment college courses during the spring semester of their sophomore year and continue taking one college course every fall and spring semester until graduation from high school. Wrap-around structured support takes place in the form of the following program components: concurrent enrollment in one college course per semester, parent workshops, intentional monitoring of student progress, and access to quality instruction. The program pillars are designed to develop the following:

- **Brotherhood/Sisterhood**
Honors Transfer Program

The Skyline College Honors Transfer Program provides enhanced transfer and educational opportunities for highly motivated students who seek a challenging academic experience for intellectual and personal growth. The program provides special Honors contract-based sections and seminars taught by outstanding instructors, as well as enriched cultural and leadership activities to help Honors students achieve their academic and personal goals. The Honors Transfer Program is a member of the Transfer Alliance Program of UCLA.

The program is committed to making it possible for Honors students to maximize their potential by expanding their intellectual capabilities, developing creative and critical thinking skills, practicing leadership skills, and opening new pathways to educational and personal quests.

Some of the advantages of being in the Honors Transfer Program are enhanced transfer and educational opportunities in the form of scholarships, priority consideration to selective universities, honors recognition on transcript, leadership and community service activities, and cultural enrichment. In addition, students are taught by inspiring instructors in a stimulating environment among other students who seek intellectual challenges to prepare them to succeed in a university setting. Honors students work with a designated Honors counselor who provides them with academic and personal counseling in planning both short- and long-term educational and career goals.

Eligibility criteria for the program are:

- Eligibility for English 100 and
- Eligibility for Intermediate Algebra (Math 120)

And at least one of the following:

- Minimum 3.5 high school GPA, or
- Minimum cumulative college GPA of 3.25 in at least 9 units of college degree applicable courses.

Interested students who do not meet the eligibility criteria above may be admitted into the program on a provisional basis. In addition to the application form, these students must also:

1. Be referred by an instructor or counselor, and
2. Be interviewed by the Honors Coordinator and Honors Counselor

To complete the program, students must graduate with a minimum 3.25 overall GPA and a 3.25 GPA in at least 15 units/4 courses of Honors coursework. In addition, students must complete a 16-hour community service requirement. Each Honors course completed will be noted “Honors” on the student’s transcript. The designation of “Honors Transfer Program Graduate” will appear on the transcript and the degree, if applicable, of those students who complete the program. They will also be recognized at graduation. In addition, many universities recognize

Honor Societies

Academic Honor Society – Phi Theta Kappa

Beta Theta Omicron is the Skyline College chapter of Phi Theta Kappa, the International Honor Society for two-year colleges. Beta Theta Omicron is both an International Distinguished Chapter and a Regional Distinguished Chapter. Members of Phi Theta Kappa are eligible for the National Dean's List, the All-USA and All-California Academic teams, and a wealth of scholarships at four-year colleges and universities that are available only to Phi Theta Kappans.

Students who have completed 12 units at Skyline College with a GPA of 3.5 in degree-applicable courses and who are currently enrolled are eligible to join. All members of Beta Theta Omicron are lifetime members of Phi Theta Kappa.

Members may participate in a variety of leadership, scholarship, fellowship, and service activities provided by Beta Theta Omicron. Additional information and applications are available at www.skylinecollege.edu/boo. Applications are also available in the Office of Admissions and Records.

Business Honor Society – Kappa Beta Delta

Alpha Beta Chi is the Skyline College chapter of Kappa Beta Delta, the international Honor Society for Accreditation Council of Business Schools and Programs (ACBSP) accredited two-year Business Programs. The purpose of Kappa Beta Delta is to encourage and recognize scholarship and accomplishment among students pursuing business degrees. To encourage and promote personal and professional improvement and a life distinguished by honorable service to humankind.

Students who have completed 15 units at Skyline College with a GPA of 3.4 and have taken a minimum of three appropriate business-degree courses are eligible for lifetime membership.

Members may participate in a variety of leadership, scholarship, fellowship, and service activities provided by Alpha Beta Chi. Members are also eligible for International and Local Kappa Beta Delta scholarships. For additional information see the Kappa Beta Delta webpage at www.skylinecollege.edu/kappabetadelta/contact.php or email at skykbd@smccd.edu.
academic excellence as reflected by completion of the program.

For more information and an application form, contact John Ulloa, HTP Coordinator at (650) 738-7127, or email him at ulloaj@smccd.edu, or visit the Honors Transfer Program web page at www.skylinecollege.edu/honorstransfer/.

The Learning Commons

The Skyline College Learning Commons brings together the functions of the Library and the Learning Center into a unified, technology enhanced academic support space for students in Building 5.

The Learning Center

The Learning Center (TLC) is a flexible learning environment providing academic support for students in all Skyline College courses through workshops, instructional technology, tutoring, and lab-based courses. The goal of the TLC is to offer students opportunities to learn more quickly and effectively and with greater confidence. Accordingly, the TLC provides alternative means of instruction that address students’ diverse learning preferences and styles. The TLC also offers a comprehensive program of individual and small group support for any level of English, ESOL, reading and math, and provides tutoring in a variety of academic subject areas. The Learning Center includes the following: Writing/Reading Tutorial Lab, Math Tutorial Lab, ESOL Tutorial Lab, Science, Business & Social Science Tutorial Lab, computer use, TRIO/Student Support Services, online tutoring, and Supplemental Instruction.

Tutoring and Academic Support Workshops: Free tutoring is available to students in a variety of subjects at the Learning Center. Students must be enrolled in LSKL 803 (0 units) or LSKL 800 (0.5 or 1.0 unit) to receive tutoring. In addition, the Learning Center offers free one-hour instructional workshops for students on a variety of topics each term. All workshops are held in the Learning Center in Building 5.

Supplemental Instruction: Supplemental Instruction (SI) is a voluntary academic assistance program that utilizes peer-led group study to help students succeed in traditionally difficult courses. SI sessions are led by Skyline College students who have previously completed the course successfully and have received SI training.

Peer Mentoring: Peer Mentors help students successfully navigate college by helping them connect to resources, understand the culture of college, and become part of a community of learners who have similar interests and goals. Peer mentors work one-on-one with students to identify challenges, set goals, develop leadership and professional skills, and establish positive daily routines and habits. Peer Mentors provide a positive environment to help ease the adjustment to college life.

Tutor Training: Students who would like to become a peer tutor in the Learning Center should register for LSKL 110, Effective Tutoring and Practicum. Students completing LSKL 110 will receive course credit, earn the first step toward a CRLA Level 1 tutor certificate, and be eligible to work in The Learning Center as a tutor, if positions are available.

For more information about The Learning Center, please call (650) 738-4144 or stop by the Center in Building 5, Room 5100 (below the Library). Hours are Monday through Thursday, 8:00 a.m. to 9:00 p.m., Friday, 8:00 a.m. to 4:00 p.m. and closed on Saturdays and Sundays. You can also learn more about the TLC on our website: www.skylinecollege.edu/learningcenter.

Library

Skyline College Library, which occupies the second floor of Building 5, features electronic resources as well as a book collection of 53,000 volumes and subscriptions to over 100 magazines, journals and newspapers. Through a wide area network, students have access to the Internet, the Peninsula Library System (PLS) online catalog, and periodical and research databases, including eBook and streaming video collections, all of which may be accessed off-campus with library card. The Library's web address is www.skylinecollege.edu/library.

The Library also has six group study rooms, numerous study carrels providing privacy for individual work, and a computer lab for class research workshops.

Borrowing privileges are extended to all students. The Library will issue cards to students with appropriate identification.

Contact information: (650) 738-4312 (reference), (650) 738-4311 (circulation). For fall and spring semesters, hours are Monday through Thursday, 8:00 a.m. to 9:00 p.m.; Friday, 8:00 a.m. to 4:00 p.m.; Saturday, 12:00 p.m. to 5:00 p.m. and closed on Sunday.

Student Drop-In Computer Lab

The Student Drop-In Computer Lab is located in the Library on the second floor of Building 5. In fall and spring semesters, it is open to students and the public: Monday through Thursday, 8:00 a.m. to 9:00 p.m.; Friday, 8:00 a.m. to 4:00 p.m.; and Saturday, 12:00 p.m. to 5:00 p.m.

Students have access to 46 PCs. The computers come with Microsoft Office 2016, Adobe Creative Suite 6, Windows Movie Maker, etc. Students also have access to pay-as-you-go print services through Pinnacle. Black and White printing is available at 12 cents per page after the purchase of a Print Card. Educational Technology and computer help is available during open hours.

Learning Communities

Learning communities are one of the most exciting and rewarding learning opportunities at Skyline College.
Students and faculty get to know one another and work together to ensure that students are successful at college. Students in learning communities enroll in a preset group of classes with other students in their cohort who take classes together over one to four semesters. The instructors teaching in learning communities get to know students one on one and work together to support students and make learning relevant to real life. Students who enroll in learning communities are more likely to be successful, to feel connected to their college experience, and to earn a degree.

Learning Community students have higher success rates because they...

- Are part of a community who share a similar passion or interest.
- Earn CSU and UC transferable general education units.
- Take courses that begin a path to Associate's Degrees, Certificates and Bachelor's Degrees.
- Enroll in courses that have linked and related content.
- Have preferred class times and back-to-back courses.
- Stay on track with academic and personal campus support services.
- Are supported by dedicated staff and faculty.
- Build long lasting friendships and professional connections.
- Participate in special events and activities focused on students' interests.
- Explore rewarding academic connections between courses.

ASTEP (African American Success Through Excellence and Persistence)

The African-American Success through Excellence and Persistence (ASTEP) learning community, open to all students, is a transfer and support program designed to provide culturally-relevant curriculum and programming focused on the African American experience. While enrolled in ASTEP, students will receive personalized support, mentoring and leadership development from instructors, counselors and support services staff that will help them to overcome academic, personal and financial barriers. ASTEP students will also experience curriculum designed to improve skills in written and oral communication, critical thinking, life skills, and cultural and identity development while engaging in dialogue, texts, and history highlighting the African-American voice. ASTEP seeks to promote student retention and success in the core college-level courses, and support students with completing their degree requirements, transfer to 4-year universities, and other educational goals.

Core courses in the program include History, Counseling, Math, and Communication. Designated sections are also available in Science, Psychology and other general education courses. For more information, please contact Danielle Powell at (650) 738-7182 or powellD@smccd.edu. See more at: http://www.skylinecollege.edu/astep.

Biology & Chemistry Scholars

Biology & Chemistry Scholars (BCS) is an accelerated STEM learning community designed to support students in Biology, Biotechnology, Chemistry, and pre-health or pre-medical pathways. BCS students are enrolled in accelerated math and entry-level biology and chemistry courses to establish foundational skills. Students enrolled in BCS take major-related courses together with their cohort until transfer. Through supportive cohort-based learning and participation in introductory research, students advance through the biology and chemistry pathway and gain valuable skill sets for transfer, internship placement, and career readiness. BCS prepares students for an Associate of Science Degree for Transfer (AS-T) in Biology and transfer to university. For more information, please contact Jenny Le; STEM Counselor at lej@smccd.edu, or visit skylinecollege.edu/biology/bcs.php.

CIPHER (Center for Innovative Practices Through Hip-Hop Education and Research)

The CIPHER (Center for Innovative Practices through Hip Hop Education and Research) Hip Hop Learning Community, open to all students, helps students increase their skills in English and Math and prepares them for success in college and in their career. CIPHER focuses on the culture and history of Hip Hop and promotes critical literacy, personal development, and social change within our communities. CIPHER also provides resources for students interested in the careers in business, music, fashion, teaching, psychology, and social justice studies. It is also designed to encourage students to obtain AA/AS/AA-T/AS-T degrees and/or transfer to a four-year university or other post-secondary institution to continue their studies. Contact Nate Nevado for additional information at nevadon@smccd.edu or (650) 738-4388. You can also find more information online at http://skylinecollege.edu/cipher.

Engineering & Tech Scholars

The Engineering & Tech Scholars (ETS) Learning Community is a contextualized and accelerated cohort program designed to engage and support students in Engineering, Computer Science, and Biotechnology pathways. Part of the Silicon Valley Engineering Tech Pathways project, the ETS program helps students move through core Math, Physics, Chemistry and English courses together as a group with support from Math and Engineering faculty and a Student Support Specialist. Through supportive group-based learning, engagement in academic success strategies, contextualized mathematics, hands-on and team-based design projects, and introduction to advanced manufacturing techniques in a brand new state-of-the-art Fabrication Laboratory, students progress from entry-
level mathematics through intermediately advanced Science, Engineering, and Technology courses. The ETS Learning Community prepares students for an Associate's of Science Degree in the Engineering and Tech pathways and transfer to university, in addition to cultivating hands-on design and manufacturing experience to place students in entry-level internships in the Silicon Valley and San Francisco tech industries. For more information, contact Scott McMullin, STEM Center Retention Specialist at mcmullins@smccd.edu and visit: http://www.skylinecollege.edu/engineering/engineeringtech.php.

First/Second Year Experience

The First and Second Year Experience (F/SYE) Learning Community is designed to assist new students explore their major and career options. Students, faculty and counselors collaborate through a set of chosen classes to establish a strong foundation for success in college. By enrolling in all the F/SYE classes, the student is joining a community of learners with a common goal of progressing through math and English classes while learning important skills for student success. For more information, contact Jarrod Feiner at (650) 738-4231 or feinerj@smccd.edu.

Kababayan

The Kababayan Learning Community (Filipino for “countryman”) is a transfer and community support group with the goal of increasing proficiency in English skills for success in college, work and life. It is open to all students and focuses on the Filipino and Filipino American student experience. By using culturally appropriate texts – about the Filipino and Filipino American experience – the Kababayan Learning Community instructors, tutors and mentors generate lively and timely discussions about the students themselves and the community around them, making the students’ coursework “come alive” and providing a solid foundation for their academic success.

Students in Kababayan receive counseling assistance, tutoring and supplemental instruction. They are connected to professional and peer mentors who assist them in achieving academic success and transferring to other colleges and universities. Students also engage in extracurricular activities, including art, music and literary events, college tours, and community functions to foster a sense of community within Kababayan.

The Kababayan Learning Community offers English 104 & 204 – Applied English Skills for Cultural Production, a unique two semester opportunities for students to write, edit, produce, and perform an annual “Filipino Cultural Night,” an evening of acting, singing and dancing that celebrates the Filipino and Filipino American experience. Other courses include Filipino, reading, literature, history, music and sociology.

For more information, please contact Liza Erpelo, Kababayan Coordinator and English instructor, by telephone at (650) 738-4119 or by email at erpelol@smccd.edu, or visit the Kababayan Learning Community web page at www.skylinecollege.edu/kababayan.

PACE

The Proficiency in American Culture and English (PACE) Learning Community is designed for nonnative speakers of English to help them accelerate through to ENGL 100/105. PACE students enroll as a group in a set sequence of classes that focus on English composition, grammar and American history. Students can expect additional support from instructors, information about programs, services and how to transfer, and a designated ESOL Counselor.

Interested students can contact Marisa Thigpen by email at thigpenm@smccd.edu or the ESL Connect in Building 01-1218 or (650) 738-7089 or by visiting www.skylinecollege.edu/esol/pace.php.

Puente

Founded in 1981, the Puente (Spanish for “bridge”) is a national-award-winning learning community that has improved the college-going rate of thousands of California's educationally underrepresented students. The original program mission was to increase the number of Chicano/Latino/Latinx students transferring to four-year colleges and universities. Today, the program is open to all students. Through the reading of texts highlighting the Latino experience, counseling assistance, and connections to professional mentors, students receive the instruction and support they need to achieve academic success and transfer. Students also participate in extracurricular activities such as college tours, mentor networking socials, art and literary events, and family nights to foster a sense of community within the program. Initiating its program in 1992, Skyline College is one of many community colleges participating throughout California.

Puente courses begin in fall semester and continue in spring semester. In the fall, Puente students concurrently enroll in both first semester Puente English and Counseling courses and continue on to their second semester Puente English and Counseling courses in the spring. Students continue to work with both their English instructor and counselor beyond their first year of Puente. For more information, please contact the Puente co-coordinators, Rocio Aguilar-Pedroza at (aguilarpedrozar@smccd.edu) or Lucia Lachmayr at lachmayrl@smccd.edu.

Teacher Track

The Teacher Track Learning Community is a great choice for students interested in a teaching career. This Learning Community offers students the opportunity to take ECE/EDU classes connected with hands-on paid work experience at Skyline College's Child Development Laboratory Center (CDLC). All Teacher Track students benefit from CA Permit application assistance, professional growth opportunities,
individualized advising and support, and priority enrollment for select courses the subsequent semester. For more information about this program or to enroll, contact Kristina Brower at brower@smccd.edu or call (650) 739-4304, and visit the program's website at http://skylinecollege.edu/epicenter/teachertrack.php.

Media Services

Media Services supports the Skyline College campus with audio-video media equipment for presentations, conferences and special events. Among these are LCD projectors, laptops, document cameras, microphones, public address systems and video cameras. Media Services also provides DVD duplication, VHS to DVD transfer, basic DVD authoring, videographer services, Skype teleconference setup, telephone conference setup, special club event setup, and trains faculty and staff on audio/video equipment.

Media Services can be found near the Learning Center in Building 5, Room 5116. For assistance, please contact Roger Marcelo (650) 738-4148 or Kamla Buccheri (650) 738-4142.

MESA

(Math, Engineering & Science Achievement)

The MESA (Math, Engineering, & Science Achievement) Program at Skyline College provides support, encouragement and assistance to students with math and science based majors. MESA serves economically disadvantaged students who plan to transfer to a four-year university and major in such subjects as Biology, Chemistry, Computer Science, Earth Science, Engineering, Math, Physics, and Pre-Med. The MESA Program offers academic and transfer counseling, field trips to universities and industries, Academic Excellence Workshops, and leadership development opportunities. Students also have access to the MESA Center, which gives them a chance to work on school projects, meet other students with similar majors, and participate in MESA activities.

The MESA Center is located in Building 7, Room 7309. For more information contact the MESA Director at (650) 738-4244.

Parking

All persons parking on the Skyline College campus are responsible for knowing and following the college’s parking regulations. Complete parking regulations are also available online at http://www.skylinecollege.edu/parking/index.php.

All persons driving an automobile, truck or van who utilize campus parking facilities during scheduled class hours and final examination periods are required to pay a parking permit fee and display a campus parking permit in their vehicle at all times while parked on the Skyline College campus. (Motorcycles are excluded if parked in designated motorcycle parking.) Students enrolled exclusively in weekend or off-campus classes are exempt. The parking fee is $54.00 for fall or spring semesters and $27.00 for the summer session, or a two-term permit may be purchased for $98.00 (fall and spring together.) These fees are non refundable except by action of the college. Parking permits may be transferred from one vehicle to another.

One day parking permits are available for $3.00 per day from coin/bill operated parking permit dispensers located in student parking lots C, F, L1, L2, N and P. There are visitor lots that have pay-by-space, timed parking in Lots D and M.

Students may pay for their parking permits at the time of WebSMART registration, online or in person at the Cashier’s Office.

Students may park in designated student parking lots only. Staff lots are marked with yellow parking lines and are reserved for Staff and Faculty only. Please refer to the campus map for parking lot locations. While parking in Skyline College campus parking lots, all students, staff, faculty and the general public must obey all campus, local and state regulations.

A parking permit is required inside the vehicle in order to park in any lot on campus other than a visitor lot. All Staff parking areas on the Skyline College campus are restricted to San Mateo County Community College District employees (excluding student aids, assistants or student workers while enrolled in the current semester). Vendors and contractors at the college may also park in staff parking lots with proper authorization and permit.

Parking spaces are available on a first-come, first-served basis. Therefore, a parking permit is not a guarantee of a parking space. Skyline College and the San Mateo County Community College District do not accept liability for vandalism, theft or accidents. Use of campus parking facilities is at the user’s risk. However, any such incidents should be reported to the Campus Public Safety Office, Building 6, Room 6-106, (650) 738-7000.

Parking Grace Periods

There is a two-week grace period in student parking lots only at the beginning of the fall and spring semesters. There is a one-week grace period in student parking lots only at the beginning of the summer session. The grace period does not apply to staff lots, handicap parking and other restricted parking areas.

Visitor Parking

Visitors to the Skyline College campus may park in Visitor Lot D or Visitor Lot M. These visitor lots are pay-by-space meter parking. After parking the vehicle, the visitor notes the number of the parking space, enters the number into the meter, and deposits coin or currency. The receipt from a visitor parking permit machine does not have to be
displayed in the vehicle. Visitor parking permits are valid ONLY in the respective visitor parking lot in which they are purchased. Daily permits, Staff/Faculty permits, and Student permits are not valid in visitor parking lots.

Visitors may also park in student lots if they have purchased a daily parking permit. For the location of daily parking permit machines, please refer to the campus map.

Disabled Student Parking

Physically disabled students who drive vehicles to campus must have a state-issued DMV placard. This placard allows parking in designated disabled parking spaces on campus. Students must also purchase a student parking permit issued through Skyline College. Disabled parking is available in student and staff lots. Transportation from student lots to campus may be arranged through the Disability Resource Center (DRC) at (650) 738-4280.

The Public Safety Office staff has identified the following Student Learning Outcomes for the various services provided by the Public Safety Office:

- Students will be aware of the smoking policy.
- Students will follow the campus rules and regulations.

Personal Counseling

Personal Counseling offers brief confidential individual counseling, crisis intervention, mental health and substance abuse assessments, and community referrals.

The goal of counseling is to support students in identifying and managing personal concerns, learn more about themselves and make positive life changes. Talking about issues and concerns in a safe and confidential environment can enable students to become more successful in college and life. Benefits of counseling include relief from distressing symptoms; improved emotional health; the acquisition of new approaches to problem solving and decision making; more satisfying interpersonal relationships; and increased insight and understanding of thoughts, feelings and behaviors.

The Personal Counseling Office is staffed by licensed mental health professionals. Psychological Services is open to all currently enrolled Skyline College students and is free of charge. Referral information for longer term counseling is also provided.

The Skyline College Personal Counseling Services is located in Building 2, Room 2206 (next to the Health Center).

Public Safety

The role of the Department of Public Safety (DPS) is to work toward ensuring the safety of all individuals while on campus and provide for the security of all properties of Skyline College.

FOR EMERGENCIES DIAL 911 FIRST

Public Safety Contact Information:

- Phone: (650) 738-7000

Location & Hours

Located in Building 6, Room 6-106, regular office hours are:

- Monday – Friday 7:00 am - 11:00 pm
- Saturday 7:00 am - 9:00 pm
- Sunday 8:00 am - 4:00 pm

ALERTU

The AlertU Emergency Text Message System enables college administration to send emergency information by text messages to cell phones on a subscription basis. To receive college alerts, go to http://smccd.edu/alertu/. After you click Submit, you will receive a text message asking you to Reply Y to complete the sign up process. Unsubscribing is easy. Simply text STOP to 253788.

Sparkpoint at Skyline College

We envision that financial circumstances should not prevent anyone from the promise of higher education. SparkPoint at Skyline College provides financial education and coaching that students and their families use to strengthen their financial capability and meet their educational and economic goals. Affiliated with United Way of the Bay Area, SparkPoint at Skyline College supports students and other members of the community who are working to:

- Increase income with certificates and degrees
- Discover and access resources including benefits when eligible
- Create a balanced budget
- Access free and low-cost banking
- Obtain credit reports and ensure their accuracy
- Understand and increase credit scores
- Pay off debt
- Find immediate employment with a livable wage

SparkPoint networks with the excellent programs and services throughout Skyline College. SparkPoint also partners with other organizations to deliver services and resources that are not typically available on a college campus. In addition to these partnerships and our financial coaching services, programs onsite include: the Grove Scholars Program, income tax preparation assistance, career and employment services, credit repair services, public benefits application assistance, an on-site food pantry, and referral assistance for additional services.

Learn about our many programs and services by visiting our website at www.skylinecollege.edu/sparkpoint. Contact (650) 738-7035 for more information or to make an appointment. Visit our center on the Skyline College campus in Building 1 on the second floor starting with reception in Room 1-214. Individuals, groups, and
organizations are also welcome to schedule informational tours to learn more.

SparkPoint at Skyline College faculty and staff have identified the following Student Learning Outcomes for the various services provided by SparkPoint:

- Students will utilize SparkPoint services and resources by completing the SparkPoint Welcome Form and identifying SparkPoint services to pursue.
- SparkPoint students who engage in financial coaching will improve their financial stability by identifying financial goals, creating a budget, and taking up two or more SparkPoint services.

Student Life

The Center for Student Life and Leadership Development is an excellent resource center for students who have questions related to campus life at Skyline College or are interested in creating or participating in campus activities. Skyline student life include clubs, speakers, theatrical events, forums, publications, food drives, community outreach, and many other worthwhile and exciting student programs. The Center for Student Life and Leadership Development also serves as the facilitator for the annual Commencement Ceremony. For additional information, please go to the Center for Student Life and Leadership Development. www.skylinecollege.edu/centerforstudentlife.

Vending and Space Room Reservations: All student clubs and organizations, off-campus organizations, or vendors who want to facilitate a special event, hold a fundraising event on campus, or sell their product must make a space reservation at the Center for Student Life and Leadership Development by calling (650) 738-4275.

Vending Complaints and Refunds: All complaints regarding vendor service or malfunctioning vending machines should be reported to the Center for Student Life and Leadership Development. Refunds for lost funds are processed at the Center for Student Life and Leadership Development during regular business hours.

The Center for Student Life and Leadership Development staff have identified the following Student Learning Outcomes for the various services provided by the Center for Student Life and Leadership Development:

- The ASSC Governing Council will understand the College and District participatory governance processes.
- ASSC and SOCC members will understand Skyline College and SMCCCD event planning policies and procedures, and be able to create, facilitate and evaluate an effective campus event.
- ASSC members will understand Robert’s Rules of Order and parliamentary procedures and be capable of applying this basic knowledge to successfully run meetings.

Student Clubs

Participation in one or more of the student clubs and organizations is a great way to make the most of your college experience. These clubs offer opportunities to connect with others as well as develop leadership skills. A list of student clubs may be found online at https://www.skylinecollege.edu/studentclubs/clublisting.php and at the Center for Student Life and Leadership Development.

Students interested in learning about existing clubs or how new clubs may be formed are invited to speak with the Vice President of the Associated Students at Skyline College at (650) 738-4327 or visit www.skylinecollege.edu/studentclubs/.

Student Government

(ASSOCIATED STUDENTS OF SKYLINE COLLEGE)

The Associated Students of Skyline College (ASSC) is the student government organization. The ASSC ensures that the needs and concerns of the student body are addressed and heard in the campus and district decisionmaking process. The ASSC also provides and supports a wide range of educational, cultural and social programs at Skyline College.

Goals & Objectives

- Advocate for and protect student rights
- Increase cultural understanding of social justice and student equity
- Develop and implement student events
- Improve communication between all campus and district constituency groups
- Develop an inclusive and responsive campus climate that encourages open communication and dialogue between students, faculty and staff
- Increase and improve financial resources and services for students

ASSC Services to Students

- Represents students on college and district committees
- Provides leadership opportunities
- Offers scholarships
- Lobbies for students’ rights at the state and federal level
- Provides partial funding for student clubs and departmental activities
- Funds leadership events
- Donates to campus-wide events and activities
Voting member positions in the ASSC are obtained through elections or by appointment. Any interested student with a minimum G.P.A. of 2.05, enrolled in at least six units, and who has paid the Student Body Fee is eligible to participate. Students can pick up an application from the Center for Student Life and Leadership Development, Building 6, Room 6212, during election season or visit the ASSC webpages at www.skylinecollege.edu/studentgovernment/index.php.

Student Publications

The following publications are published for the student body:

The Skyline View, is a student-run print and online newspaper that covers the campus community and is produced by Skyline College journalism students. Publication opportunities for non-journalism students include guest opinion columns, letters to the editor, and more.

Talisman, the literary magazine produced by the English 161/162 Creative Writing class each May, contains original art and literature. The Victoria Alvarado Memorial Short Story Award, including a cash prize, is given for the best story submitted. The Dorothy Dutcher Award is given for the best submission in poetry or in journal-writing.

Student Services One Stop Center

Skyline College's Student Services One Stop Center is located on the second floor of Building 2. Many student support services are located in this area, including; Admissions and Records, Financial Aid, Counseling, Cashiers, Health Center, Transfer Center, EOPS, and student computer stations. Services located on other floors in building two are; Assessment, Veterans Resource Center, Middle College, Global Learning, and Outreach. For more information on all student services at Skyline College, visit our website at www.skylinecollege.edu.

Transfer Center

The Transfer Center provides comprehensive transfer services, resources, activities, and events. Transfer assistance includes:

- Application and informational workshops
- University tours and off-campus events
- Visits and advising appointments with university representatives
- Transfer Admission Guarantee programs
- Transfer and articulation information
- Access to computers for college research

Transfer information and a calendar of ongoing events are posted on the Center’s webpage at www.skylinecollege.edu/transfercenter. Please visit the Transfer Center in Building 2, Room 2227, or call (650) 738-4232.

The Transfer Center faculty and staff have identified the following Student Learning Outcomes for the various services provided by the Transfer Center:

- Students who utilize the Transfer Center's services, events, and programs will express the ability to access, and incorporate new transfer information learned into their transfer planning.
- Students who utilize and/or participate in the Transfer Center services, resources, and events will be able to express an increased level of confidence in their transfer knowledge.
- Students will access Transfer Center resources offered
- Students who identify or are identified as transfer students will transfer to a 4 year institution

TRiO/Student Support Services (SSS)

TRIO Student Support Services (SSS) has a long and successful history of providing academic support and comprehensive service to students whose goal is to earn a certificate and/or graduate with an associate degree, and transfer to a four-year college or university. TRIO services include your own dedicated counselor, priority registration, scholarships, tutoring, academic planning, financial literacy, assistance in completing financial aid and scholarship applications, transfer planning, visits to four-year colleges and universities and more. TRIO also sponsors a Professional Development and Leadership Program to enhance students' skills, provide avenues for students to assist other TRIO students and the program, apply the knowledge they learn, and build their resumes. Students are also active in the TRIO Student Club, building their leadership skills and planning programs of their personal and professional interests. To qualify for TRIO, students must meet at least one of the following eligibility criteria; be first generation, low-income, and/or have a documented learning difference or physical disability.

To apply, complete an application on our website or in person at the TRIO office located in Building 5 (inside the Learning Center). For general information about TRIO, call (650) 738-7924 or visit our website www.skylinecollege.edu/trio.

Veterans Resource Center (VRC)

The Skyline College Veterans Resource Center (VRC) is located in Building 2, 3rd Floor, Room 2-350 and provides a respite from the college atmosphere. The VRC Staff is available to connect veterans and dependents to information on appropriate campus and community services, assist with access to educational benefits and help support a successful transition to college life. The
center is dedicated to ensuring that a strong veteran community flourishes on campus and promoting superb support services for personal growth, development, and educational success. For further information, visit the website at [www.skylinecollege.edu/veterans/](http://www.skylinecollege.edu/veterans/).

The Veterans Resource Center has identified the following Student Learning Outcome:

Student veterans who access the Veterans Resource Center will persist from fall to spring.

**Limitations on Programs and Services**

In order to be able to adjust to the changing availability of resources, Skyline College reserves the right to modify the programs, services, and regulations detailed in this catalog. Regulations are also subject to change by actions of the State legislature and the Board of Governors of the California Community Colleges.
General Degree Requirements

Associate In Arts Degree &
Associate In Science Degree

The awarding of an Associate Degree is intended to represent more than an accumulation of units. It is to symbolize a successful attempt on the part of the College to lead students through patterns of learning experiences designed to develop individual capabilities and insights.

Among these are the ability 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; be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; 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.

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 colleges that those who receive their degrees must possess in common certain basic principles, concepts and methodologies both unique to and shared by the various disciplines. College educated persons 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.

Graduation from Skyline College with the Associate in Arts or Associate in Science degree requires the completion of at least 60 units, including requirements A through F as outlined on the following pages. Substitutions and waivers for degree requirements may be authorized by petition to the appropriate Division Dean. An application for the degree must be filed in the Office of Admissions and Records within the last two semesters of attendance (refer to calendar for the college year for deadline dates).

Philosophy Of General Education

The General Education Program at Skyline College provides a scope and depth of learning that empowers students to meet the work, life, and global citizenship challenges of the 21st century. The Program fosters and develops the essential knowledge, skills, and values needed to succeed in an interdependent world of daunting complexity and relentless change. It is the foundation of life-long learning. Students gain broad knowledge of science, cultures and society; a wide range of high-level intellectual and practical skills; a strong sense of ethical and social responsibility; and the ability to integrate and apply the knowledge, skills, and values acquired in general education to new settings and complex problems and challenges. The General Education Program values and prioritizes broad, diverse perspectives, cross-disciplinary learning, intellectual curiosity, critical and creative inquiry, and the importance of engaging big questions, both contemporary and enduring.

Graduation Requirements

Student Catalog Rights

Graduation requirements are listed in the Catalog. Each Catalog covers an academic year that reflects enrollment beginning with the fall term and includes subsequent spring and summer terms. Having “catalog rights” means students are held to the graduation requirements listed in the catalog at the time enrollment begins. Students may choose to use catalog rights for any subsequent year of continuous enrollment. For Cañada College, College of San Mateo and Skyline College, catalog rights apply to enrollment in any of the San Mateo County Community College District colleges.

For the purpose of this policy, “continuous enrollment” means attending at least one term (fall, spring, summer) each academic year. Attendance is required through the fourth week of instruction for semester length classes or thirty percent (30%) of summer classes and semester classes that are shorter than the full semester.

Catalog rights gained at a college outside of the San Mateo County Community College District are not applicable at Cañada College, College of San Mateo or Skyline College.

Catalog rights cannot supersede any State or Federal regulation or requirement in effect at the time of graduation.

Requirements For The Associate In Arts For Transfer (AA-T) Or Associates In Science For Transfer AS-T

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses.
Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. To view the most current list of Skyline College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please visit the Transfer Center website. Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

Requirements for the Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T)

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major.

The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.
3. Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major as detailed in the Degrees/ Certificates section of the catalog. All courses in the major must be completed with a grade of C or better. A "P" (Pass) grade is not an acceptable grade for courses in the major.
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth) OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

Note: Per state legislation, students pursuing AA/AS-Ts are only required to meet the major, CSU GE or IGETC/CSU, and a minimum of 60 CSU transferable requirements. No additional requirements are needed. Students transferring to a CSU campus that accepts the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Bachelor's in Science in Respiratory Care

The bachelor's degree program includes a focused area of study in Respiratory Care and a general education pattern designed to provide the knowledge, skills, experiences, and perspectives that will enable graduates to contribute meaningfully in their personal and professional communities applying greater levels of critical thinking and analytical skills. The curriculum provides advanced scope of practice education with emphasis in advanced cardiopulmonary pathophysiology, advanced respiratory care management, advanced respiratory neonatal/pediatrics, health education in respiratory care, research methodology, quantitative principles, respiratory care sleep medicine, and respiratory care leadership and management.

To qualify a student must have completed respiratory care lower division coursework from a CoARC accredited program. Graduation from Skyline College with a Bachelor's in Science in Respiratory Care requires a minimum of 120 units. This includes 41.5 units of upper division coursework, 48.5 units of lower division major coursework, and 37 UC (IGETC) or 39 CSU and Title 5 general education units. The bachelor's degree need not align with other UC or CSU local area graduation requirements.

A minimum of 50 percent of the upper division units required for the major, including 9 units of the upper division general education, must be completed at Skyline College for a bachelor's degree.

See the Bachelor's in Science in Respiratory Care degree for further requirements.

Transfer Of Credit And Graduation And/ Or Certificate Program Requirements

For students who transfer among the district’s colleges or other colleges or universities outside the district.

For more information, please visit the Transfer Center website at http://skylinecollege.edu/transfercenter/index.php.

The San Mateo County Community College District Board of Trustees has adopted Board Policy 6.26, which provides for reciprocity of course credit among the District’s three colleges for purposes of meeting graduation requirements.

1. Students may transfer from one College within the District to another without penalty, although
differences in curriculum offerings among the Colleges may exist.

2. Individual courses students have taken at a particular College within the District that satisfy an area in the general education pattern, elective, statutory, and/or specific area requirements at one District College shall be accepted by the other District Colleges as satisfying those same requirements.

3. Students who have completed an entire General Education pattern, electives, residency, competency, statutory and specific area requirements, at one District College shall be determined to have completely fulfilled all area requirements for graduation or certificate programs at any of the District Colleges. Upon transferring to another District College, students shall be required to complete only those courses applicable toward their major for the Associate Degree or Certificate Program.

4. District students who transfer to another College within the District shall receive full transfer credit for instruction completed in their major field but, in order to graduate, they shall be expected to meet the major-field graduation requirements established by the College to which they have transferred.

5. Students who have taken course work at more than one of the District’s Colleges shall ordinarily be recommended for graduation by the College in which they have taken the majority of their course work. Students who have completed the majority of their course work at a college outside the District must complete a minimum of 12 units and a minimum of 50% of the total units required for the major at one or more the District Colleges in order to be recommended for graduation with the Associate Degree or completion of a Certificate Program.

Certificate Requirements

Fifty (50) percent of the total units required for the Certificate must be completed at Skyline College. Units earned to meet certificate requirements may be applied toward the 60 units required for an AA or AS degree and may also satisfy the major requirement for an Associate's Degree.

A Pathway To The Associate Degree For Students Who Have Already Achieved A Bachelor’s Degree

Students who wish to pursue an Associate Degree at Skyline College who have already been awarded a Bachelor’s Degree from a regionally accredited college or university in the United States may be exempt from Skyline College's local Associate Degree General Education requirements. This pathway does not apply to the Associate Degrees for Transfer (AA-T or AS-T). Students must still complete a minimum of 12 units in residence at Skyline College. For the major, at least 12 units, or 50% of the units required for the major, whichever is fewer, must be completed at Skyline College. All other local requirements may be waived if the completed Bachelor's degree includes coursework that fulfills the Title 5 minimum requirements for the Associate Degree as noted below.

Title 5 (55063) Associate Degree Requirements

1. Minimum of 60 units of lower division degree applicable coursework.
2. Completion of Freshman Composition (equivalent to ENGL 100 or ENGL 105 at Skyline College).
3. Completion of Intermediate Algebra (equivalent to MATH 120 or higher at Skyline College).
4. Completion of at least 12 units in residence at Skyline College.
5. Completion of at least 12 units or 50% of the units required for the major, whichever is fewer, completed at Skyline College.

Skyline College currently offers twenty-four Associate Degrees for Transfer as follows:

<table>
<thead>
<tr>
<th>Associate In Arts For Transfer</th>
<th>Associate In Science For Transfer</th>
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</table>
6. Completion of 19 units of general education:
   a. 6 semester units in English Language Communication and Critical Thinking
   b. 4 semester units in Scientific Inquiry (includes lab)
   c. 3 semester units in Arts and Humanities
   d. 3 semester units in Social Science
   e. 3 semester units in Lifelong Learning & Self Development or the aforementioned areas.

**Satisfaction Of Graduation Requirements By Examination**

Some of the course requirements for the AA or AS Degree may be satisfied by examination and/or military service credit in accordance with regulations established by the college.

**Changes In State Regulations Governing Community Colleges**

The state of California has legislated a series of reforms designed to strengthen the community colleges. One of these reforms was a comprehensive review of standards for instruction in each course and classification of each course as applicable to the Associate Degree. Classes that do not count as units for the Associate Degree are noted in the college catalog following the course description. A course that does not count as units will have the following statement at the end of the course description: (Units do not count toward the Associate Degree.)
## Associate Degree Requirements

Graduation from Skyline College with the Associate in Arts Degree or Associate in Science Degree is based upon the completion of 60 units, including the requirements one through nine listed below. An application for the degree must be filed in the Office of Admissions and Records during the last semester of attendance.

**ATTENTION:** This checklist is a guide to help you in selecting courses and keeping track of your progress. You are strongly encouraged to meet with your counselor to review your selections and to complete a Student Education Plan, which will assist you in keeping track of your progress and in reaching your educational goals.

### 1. RESIDENCE

A minimum of 12 completed units must be Skyline College courses.

### 2. GRADE POINT AVERAGE (GPA) REQUIREMENT

a. A minimum grade point average of 2.0 is required in all degree-applicable coursework.

b. All coursework transferred into SMCCCD, except non-degree applicable and upper division courses, will be evaluated to meet graduation requirements and will become part of the overall GPA.

c. The GPA from courses taken in SMCCCD and those courses from outside SMCCCD will be used in the calculation for graduation. Honors and Phi Theta Kappa are calculated and recorded at each college.

### 3. BASIC COMPETENCY REQUIREMENTS

**Note:** Satisfactory completion is defined as a grade of C or better.

* Equivalent courses taken outside of the SMCCCD must be completed at a regionally accredited college or university within the United States. Students must seek course approval and provide verification of course equivalency using the Skyline College Prerequisite Equivalency Petition or the official Transcript Evaluation Service.

#### WRITING/READING

a. Satisfactory completion of English 100 or English 105, or equivalent, or higher *; or

b. Score of 3, 4, or 5 on one of the following College Board Advanced Placement (AP) Tests: English Language and Composition or English Literature and Composition.

#### MATHEMATICS/QUANTITATIVE REASONING

a. Satisfactory completion of MATH 120, MATH 190, or equivalent; or

b. Satisfactory completion of any course having MATH 120 (Intermediate Algebra) or MATH 190 (Path to Statistics) as a prerequisite*; or

c. Score of 3, 4, or 5 on College Board Advanced Placement Tests (AP): Calculus AB, or Calculus BC, or Statistics; or

d. Score of 23 or higher on the American College Test (ACT) for Math; or

e. Score of “Standard Exceeded” on the High School (CAASPP) Test for Math; or

f. Score of 4 or higher on International Baccalaureate Exam (IB) for Math HL; or

g. Score of 550 or higher on the College Board (SAT) Math Test; or

f. Score of 50 or higher on the CSU Math Placement Test (ELM).

#### INFORMATION LITERACY

a. Satisfactory completion of a Skyline College English 100 or English 105 course taken Fall 2011 or thereafter; or

b. Satisfactory completion of the Skyline College online “Information Literacy Tutorial” (Consult the Skyline Library website at www.skylinecollege.edu/library for details on completing the online tutorial.); or

c. Satisfactory completion of an equivalent college-level information literacy or information competency course or requirement.

### 4. MAJOR REQUIREMENT
A minimum of 18 units must be completed in a major. Some majors require the completion of more than 18 semester units. In addition to completing the course and unit requirements for the major, a student must:

- Complete with a grade of “C” or better (or Pass) all courses used to satisfy both core and elective requirements for the major.
- Complete 12 units or 50% of the units required for the major, whichever is fewer, at Skyline College.

**Note:** Specific requirements for majors may be found in the Skyline College Catalog under “Associate Degree and Certificate Programs.”

### 5. ETHNIC AND CULTURAL DIVERSITY

Students must complete a total of 3 units from either group listed below. The course(s) may be applied to General Education requirements.

**Note:** HIST 335 and PLSC 335 are the same course.

**Group A. General:** COMM 150, 160 ECE, 272, 273, 275 HIST 235, 240 SJS 110, 130, 140 SOCI 141, 143, 201

**Group B. Area Studies:** ANTH 110, 125, 150, 155, 165, 170, 180, 360 ART 105, 117, 120, 175 ENGL 103, 104

HIST 104, 106, 244, 335, 435, 436 LIT 251, 266, 267, 370 MUS 250, 276, 277 PHIL 300, 320 PLSC 335 PSYC 238, 268 SOCI 142, 160, 341 SOSC 270 SPAN 160

### 6. AMERICAN HISTORY AND INSTITUTIONS

One course of 3 units from Group A and either Group B1 or Group B2 for a total of 6 units. One course may be applied to the General Education requirement in Social Sciences.

**Note:** Group B2 completes the E1 requirement for students who have satisfied only the U.S. History part of the requirement at another institution.

**Group A: U.S. History & U.S. Government:** HIST 108, 201, 202, 235, 244 LEGL 275† PLSC 210

**Group B1: State & Local Government:** HIST 240 310 PLSC 301

or **Group B2: U.S. Government/State & Local Government:** PLSC 200

*†LEGL 275 meets US-2 (US Government) only effective Fall 2014

### 7. PHYSICAL EDUCATION (KINESIOLOGY)

Two activity courses in PE (Kinesiology) are required. However, this requirement may be waived or modified for students in the following categories:

- a. Graduates of accredited community colleges, other colleges, or universities.
- b. Veterans with one or more years of service who have submitted a DD214.
- c. Persons who successfully petition the Dean of Kinesiology, Dance and Athletics for a medical waiver or modification based on being restricted or unable to successfully complete any of the curricular offerings as certified by a licensed physician due to a medical condition.

**Note:** The following courses offered through the Kinesiology, Dance and Athletics division are not activity based and therefore may not be used to satisfy the Physical Education requirement: DANC 100; KINE 100, 305 and 510; and P.E. 105, 152, 301 and 302.

### 8. GENERAL ELECTIVES

Additional courses to meet the minimum 60 units degree requirement (non-degree applicable courses do not meet this requirement).

### 9. GENERAL EDUCATION 19 units required

See General Education (GE) Areas A through E below.

**Important:** Although a course may be listed in more than one area, a student may use a course to satisfy only one subject area.
GENERAL DEGREE REQUIREMENTS

A. ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING (6 units required; 3 units from Area A2 and 3 units from Area A1 or A3)

Advising Note: Students who intend to use courses from Areas A1, A2 or A3 to meet CSU and/or UC minimum admissions requirements will need to complete these courses with grades of “C” or better. Students are advised to check with their Skyline College counselor for further information.

A1: Oral Communication COMM 110, 127, 130, 140, 150

A2: Written Communication ENGL 100, 105, 110

A3: Critical Thinking

Note: The Business, Computer Science, Mathematics and Psychology courses listed here meet CSU GE area B4.

BUS. 120, 123

COMP 262

ENGL 100, 105, 110, 165

MATH 130, 150, 200, 201, 222, 225, 241, 242, 243, 251, 252, 253, 270, 275

PHIL 103, 109, 200

PSYC 171

B. SCIENTIFIC INQUIRY (4 units required; one course from Area B1 or B2. Must include one lab course as indicated by *)

B1: Physical Science (see notes under *B3 Lab)

ASTR 100, 101*


B2: Life Science (see notes under *B3 Lab)

ANTH 125, 127*


*B3 Lab: Courses identified with an “*”. Note: All one unit lab courses must be successfully completed concurrently or after 3 unit lecture companion courses.

Note: The following are the same courses: BIOL 170 and BTEC 170; BIOL 171 and BTEC 171; GEOG 106 and GEOL 106.

C. ARTS AND HUMANITIES (3 units required; one course from Area C1 or C2.)

Note: The following are the same courses: ECE. 191 and LIT. 191; HIST 335 and PLSC 335; PHIL 280 and PLSC 280.

C1: Arts ART 101, 102, 105, 107, 115, 120, 130, 175, 221, 350 DANC 100, 102 MUS. 100, 105, 115, 202, 204, 205, 240, 250, 275, 276, 277, 301, 470


D. SOCIAL SCIENCES (3 units required)

Note: The following are the same courses: ECE. 201 and PSYC 201; HIST 335 and PLSC 335; PHIL 280 and PLSC 280; PSYC 110 and SOCI 110.

ANTH 110, 150, 155, 165, 170, 180, 360 BUS. 100, 101 COMM 160 ECE. 201, 212 ECON 100, 102 GEOG 110, 150 HIST 104, 106, 108, 201, 202, 203, 235, 240, 244, 248, 310, 335, 435, 436 JOUR 110 KINE 510 LEGL 275 PHIL 280 PLSC 115, 130, 150, 200, 210, 280, 301, 315, 320, 335 PSYC 100, 110, 200, 201, 220, 230, 238, 268, 300, 301, 310, 390, 410 SJS 110, 130 SOCI 100, 105, 110, 141, 142, 143, 160, 201, 341 SOSC 270
### E. LIFELONG LEARNING & SELF DEVELOPMENT
(Up to 3 units of course work in Area E may be applied towards completion of General Education Requirements, or students may select an additional 3 units of General Education from Areas A-D above.)

**Note:** ECE. 201 and PSYC 201 are the same course

**E1: BIOL** 310  **CRER** 137, 665  **COUN** 100  **ECE.** 201  **HSCI** 100, 130  **KINE** 305  **PSYC** 200, 201  **P.E.** 105  **SOCI** 160  **WELL** 718

**E2: Physical Education Activity Courses** (maximum of 2 units may apply to General Education requirements)

GENERAL DEGREE REQUIREMENTS

Associate Degree And Certificate Programs

Following are courses of study leading to majors in AA or AS degrees, AA-T or AS-T degrees, and certificate programs. Not all courses in all majors are offered each semester. Many courses listed in these programs will transfer to four-year colleges or universities in satisfaction of lower division requirements; however, an Associate degree does not necessarily complete all lower division requirements for transfer. For specific courses students should confer with their counselors or contact the college to which they intend to transfer.

Certificates

Skyline College offers three types of certificates. A Certificate of Achievement (generally 8 to 30 units) is awarded in certain occupational fields upon satisfactory completion of a specific course of study in a state-approved program. Students must complete with a grade of “C” or better (or Pass) all courses used to satisfy both core and elective requirements for the certificate. Certificates of Achievement are posted to a student's transcript. A Certificate of Specialization (generally 8 to 15.5 units) is awarded in certain occupational fields upon satisfactory completion (minimum 2.0 grade point average) of a specific course of study in a locally-approved program. Certificates of Specialization are not posted to a student's transcript.

A Skills or Career Certificate (generally fewer than 8 units) is awarded upon successful completion of designated courses in a specific occupational field. Skills and Career Certificates are not posted to a student's transcript.

Units earned to meet certificate requirements may be applied toward the 60 units required for an AA or AS degree and may also satisfy the major requirement for an Associate's Degree. Fifty (50) percent of the total units required for the Certificate must be completed at Skyline College.

Certificate requirements for an individual student shall be those listed in the Skyline College Catalog at the time the student's studies begin. Those requirements may be followed throughout the student's course of study as long as the student remains in continuous enrollment. For the purposes of this requirement, continuous enrollment is defined as enrollment in at least one semester each calendar year. If a break in attendance occurs before the certificate is earned, the certificate requirements shall become those listed in the College Catalog which is current at the time the student's studies are resumed.

A student may earn multiple Certificates from Skyline College. Each Certificate of Achievement will be posted to the student's academic record and the student will receive a Certificate of Achievement, Certificate of Specialization, Skills Certificate or Career Certificate for each certificate earned. Courses used to meet requirements for one certificate may be used to meet requirements for additional certificates.

Graduation Requirements for AA or AS Degree in Career Programs

American History & Institutions (6 units)
Major (18 units)
General Education (19 units)
Physical Education (2 courses Basic Competency in English, Mathematics, and Information Literacy)
Total units: 60

Note: See Associate Degree Requirements section for specific details.

Gainful Employment Disclosure Information

Final regulations published in the Federal Register on October 29, 2010 [75 FR 66665 and FR 66832], by the U.S. Department of Education, require all institutions that participate in the student financial assistance programs authorized under Title IV of the Higher Education Act of 1965, to report certain information about students who enrolled in Title IV-eligible educational programs that lead to gainful employment in a recognized occupation. Skyline College's report on educational programs leading to gainful employment is available at http://www.skylinecollege.edu/generalinformation/gainfulemployment.php.
Degrees & Certificates

Associate Degree And Certificate Programs
Following are courses of study leading to majors in AA or AS degrees, AA-T or AS-T degrees, and certificate programs. Not all courses in all majors are offered each semester. Many courses listed in these programs will transfer to four-year colleges or universities in satisfaction of lower division requirements; however, an Associate degree does not necessarily complete all lower division requirements for transfer. For specific courses students should confer with their counselors or contact the college to which they intend to transfer.

Certificates
Skyline College offers three types of certificates. A Certificate of Achievement (generally 16 to 30 units) is awarded in certain occupational fields upon satisfactory completion of a specific course of study in a stateapproved program. Students must complete with a grade of “C” or better (or Pass) all courses used to satisfy both core and elective requirements for the certificate. Certificates of Achievement are posted to a student’s transcript.

A Certificate of Specialization (generally 12 to 15.5 units) is awarded in certain occupational fields upon satisfactory completion (minimum 2.0 grade point average) of a specific course of study in a locally-approved program. Certificates of Specialization are not posted to a student's transcript. A Skills or Career Certificate (generally fewer than 12 units) is awarded upon successful completion of designated courses in a specific occupational field. Skills and Career Certificates are not posted to a student’s transcript. Units earned to meet certificate requirements may be applied toward the 60 units required for an AA or AS degree and may also satisfy the major requirement for an Associate’s Degree. Fifty (50) percent of the total units required for the Certificate must be completed at Skyline College.

Certificate requirements for an individual student shall be those listed in the Skyline College Catalog at the time the student's studies begin. Those requirements may be followed throughout the student's course of study as long as the student remains in continuous enrollment. For the purposes of this requirement, continuous enrollment is defined as enrollment in at least one semester each calendar year. If a break in attendance occurs before the certificate is earned, the certificate requirements shall become those listed in the College Catalog which is current at the time the student's studies are resumed. A student may earn multiple Certificates from Skyline College. Each Certificate of Achievement will be posted to the student's academic record and the student will receive a Certificate of Achievement, Certificate of Specialization, Skills Certificate or Career Certificate for each certificate earned. Courses used to meet requirements for one certificate may be used to meet requirements for additional certificates.

Graduation Requirements for AA or AS Degree in Career Programs
American History & Institutions. ................. 6 units
Major .................................................. 18 units
General Education ................................. 19 units
Physical Education ............................... 2 courses
Basic Competency in English, Mathematics, and Information Literacy
Total units ........................................... 60

Note: See Associate Degree Requirements section for specific details.

Legend
AA: Associate in Arts Degree
AS: Associate in Science Degree
AA-T: Associate in Arts Degree for Transfer
AS-T: Associate in Science Degree for Transfer
BS: Bachelor of Science
CA: Certificate of Achievement (requires 16 or more units, and is posted on students' academic transcripts)
CS: Certificate of Specialization (generally 12-15.5 units, and is not posted on students' academic transcripts)
CC: Career Certificate (under 12 units, and is not posted on students' academic transcripts)
SC: Skills Certificate (under 12 units, and is not posted on students' academic transcripts)
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<td>Meeting &amp; Event Planning Entry-Level Professional</td>
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<td>Central Service Technology With Clinical Practice</td>
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ACCOUNTING

AS Associate in Science Degree Program
Accounting .................................................. 60 units

CA Certificate of Achievement
Accounting .................................................. 23 units

CS Certificate of Specialization: Not Transcript Reported
Accounting Computer Specialist ....................... 14 units
Individual Tax Preparer ................................. 14 units

AS Accounting

The Accounting Program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP).

The certificate or Associate degree in Accounting prepares students for a variety of positions in the accounting field. Students gain the skills needed for a professional job in Accounting or related fields such as a staff accountant. Many students find part-time employment in the accounting field after completing the first accounting courses in the program and continue to work while fulfilling program requirements.

Career Opportunities
An AS degree in accounting provides opportunities for positions as a staff accountant.

Program Learning Outcomes
Students completing this program will be able to:

1. Critical Thinking: Apply critical thinking and analytical skills in decision making and problem solving.
3. Business Law: Develop an understanding of the law and the legal environment as it relates to business operations, including its ethical implications.
4. Intro to Business Information Systems: Identify the basics of information technology and apply software applications to enhance efficiency of business functions.
5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.

6. Economics/Macroeconomics: Demonstrate knowledge of basic economic concepts and how they affect business.

Required Business Core Courses: Units

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<td>BUS. 201</td>
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<td>BUS. 401</td>
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<td>ECON 100</td>
<td>Principles of Macro Economics</td>
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Required Courses for the Major: Units

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<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 100</td>
<td>Accounting Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 131</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACTG 144</td>
<td>QuickBooks: Set-Up and Service Business</td>
<td>1.5</td>
</tr>
<tr>
<td>BUS. 120</td>
<td>Mathematical Analysis for Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 241</td>
<td>Applied Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>BCM. 225</td>
<td>Spreadsheets I: Excel</td>
<td>1</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 169</td>
<td>Accounting Ethics prerequisite: ACTG 121 or equivalelnt</td>
<td>3</td>
</tr>
</tbody>
</table>

ACTG 103 Ten-Key Skills 0.5 units

Plus a minimum of 3 units from the following: Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 145</td>
<td>QuickBooks: Payroll and Merchandising Business</td>
<td>1.5</td>
</tr>
<tr>
<td>ACTG 171</td>
<td>Federal Income Tax</td>
<td>4</td>
</tr>
<tr>
<td>ACTG 172</td>
<td>Business Income Taxes</td>
<td>4</td>
</tr>
<tr>
<td>ACTG 670</td>
<td>Vocational Cooperative Education in Accounting</td>
<td>2</td>
</tr>
<tr>
<td>BCM. 226</td>
<td>Spreadsheets II: Excel</td>
<td>2</td>
</tr>
<tr>
<td>BUS. 100</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Elementary Probability &amp; Statistics OR</td>
<td>4</td>
</tr>
</tbody>
</table>
Total Required Major Units: 38 - 40
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

Note: Minimum C grade required in all courses applied to the major.

CA Accounting

For gainful employment information, see this program's gainful employment website.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 100</td>
<td>Accounting Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 103</td>
<td>Ten-Key Skills</td>
<td>0.5</td>
</tr>
<tr>
<td>ACTG 121</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACTG 131</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACTG 144</td>
<td>QuickBooks: Set-Up and Service Business</td>
<td>1.5</td>
</tr>
<tr>
<td>BCM. 225</td>
<td>Spreadsheets I: Excel</td>
<td>1</td>
</tr>
<tr>
<td>ACTG 169</td>
<td>Accounting Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus a minimum of 6 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 145</td>
<td>QuickBooks: Payroll and Merchandising Business</td>
<td>1.5</td>
</tr>
<tr>
<td>ACTG 171</td>
<td>Federal Income Tax</td>
<td>4</td>
</tr>
<tr>
<td>ACTG 172</td>
<td>Business Income Taxes</td>
<td>4</td>
</tr>
<tr>
<td>ACTG 670</td>
<td>Vocational Cooperative Education in Accounting</td>
<td>2</td>
</tr>
<tr>
<td>BUS. 103</td>
<td>Introduction to Business Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 201</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BCM. 226</td>
<td>Spreadsheets II: Excel</td>
<td>2</td>
</tr>
<tr>
<td>ACTG 158</td>
<td>Financial Statement Analysis</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Required Units: 23

CS Accounting Computer Specialist

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 100</td>
<td>Accounting Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 103</td>
<td>Ten-Key Skills</td>
<td>0.5</td>
</tr>
<tr>
<td>ACTG 144</td>
<td>QuickBooks: Set-Up and Service Business</td>
<td>1.5</td>
</tr>
<tr>
<td>BCM. 200</td>
<td>Intro to Computer Applications and Suites</td>
<td>3</td>
</tr>
<tr>
<td>BCM. 225</td>
<td>Spreadsheets I: Excel</td>
<td>1</td>
</tr>
<tr>
<td>BCM. 226</td>
<td>Spreadsheets II: Excel</td>
<td>2</td>
</tr>
<tr>
<td>BUS. 101</td>
<td>Human Relations at Work</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Minimum C grade required in all courses applied to the major.

Total Required Units: 14

CS Individual Tax Preparer

This certificate will allow students to enter the professional field of tax preparation without an associate degree.

Career Opportunities

This certificate will allow students to enter the professional field of tax preparation without an associate degree.

Program Learning Outcomes

Students completing this program will be able to:
1. Understand and demonstrate the relevant concepts and applications of tax regulations needed to succeed in a tax preparation career.
2. Demonstrate knowledge of ethical standards established by relevant professional organizations.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 100</td>
<td>Accounting Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 103</td>
<td>Ten-Key Skills</td>
<td>0.5</td>
</tr>
<tr>
<td>ACTG 169</td>
<td>Accounting Ethics</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 171</td>
<td>Federal Income Tax</td>
<td>4</td>
</tr>
<tr>
<td>ACTG 175</td>
<td>Volunteer Income Tax Preparation</td>
<td>2.5</td>
</tr>
</tbody>
</table>
ADMINISTRATION OF JUSTICE

AS  Associate in Science Degree Program
Administration of Justice............................................. 60 units

AS-T Associate in Science Degree for Transfer
Administration of Justice for Transfer.......................... 60 units

CA  Certificate of Achievement
Administration of Justice............................................. 24 units

AS  Administration of Justice

The Administration of Justice program seeks to prepare students for careers in law enforcement and legal studies. The courses in Skyline's program lead to transfer programs at four-year colleges and universities.

Career Opportunities
Various career opportunities are continuously available for Skyline College Administration of Justice (ADMJ) students, as this field of study is broadly relevant to careers in law enforcement, the courts, corrections, and in other areas of the criminal justice and legal field, at the local, state, and federal levels of government.

Program Learning Outcomes
Students completing this program will be able to:

1. Identify and describe the structure and functions of the main components of the criminal justice system: law enforcement, courts, corrections, and juvenile justice.
2. Recognize the importance of, and practice, ethical behavior in a professional criminal justice work setting, both within the agency and within the community.
3. Exhibit strong and effective written and oral communication skills.

AS-T Administration of Justice for Transfer

Required Core Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADMJ 100</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 104</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
</tbody>
</table>

List A - Select two courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADMJ 102</td>
<td>Principles and Procedures of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 106</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 108</td>
<td>Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 120</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 123</td>
<td>Concepts of Enforcement Principles</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 125</td>
<td>Juvenile Procedures</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Major Units: 24

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

4. Critically consider, analyze, and research special issues in criminology and criminal justice and their effects on society.

Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADMJ 100</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 102</td>
<td>Principles and Procedures of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 104</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 106</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 108</td>
<td>Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 120</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 123</td>
<td>Concepts of Enforcement Principles</td>
<td>3</td>
</tr>
</tbody>
</table>

List A - Select two courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADMJ 102</td>
<td>Principles and Procedures of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 106</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 108</td>
<td>Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>ADMJ 120</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
</tbody>
</table>

List B - Select two courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 100</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 171</td>
<td>Quantitative Reasoning in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>
**DEGREES & CERTIFICATES**

<table>
<thead>
<tr>
<th>OR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 200 Elementary Probability &amp; Statistics</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 18 - 19**

**General Education** - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 3-9 major units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

*Please refer to Associate Degree for Transfer (ADT) Requirements for more information.*

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**ANTHROPOLOGY**

**AA-T Associate in Arts Degree for Transfer**  
Anthropology for Transfer...........................................60 units

**AA-T Anthropology for Transfer**

The Associate in Arts Degree for Transfer is intended for students who are interested in transferring to a California State University (CSU) campus with a major in Anthropology.

The Associate in Arts Degree 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 an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Summarize and interpret the main theories in Anthropology that offer various explanations and understandings of diverse cultural, archaeological and biological processes that impact societies.
2. Critically consider, analyze, and research special issues in Anthropology and their effects on culture and society.
3. Recognize the importance of, and practice ethical behavior in a professional anthropological, both within academia and within the community.
4. Bring back into the community and apply the skills, abilities and knowledge acquired in the Anthropology Program for the betterment of others and themselves, and to further the objectives of a deeper anthropological understanding of our world.

**Required Courses**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 110 Cultural Anthropology</td>
</tr>
<tr>
<td>ANTH 125 Physical Anthropology</td>
</tr>
</tbody>
</table>

---

**CA Administration of Justice**

For gainful employment information, see this program's [gainful employment website](#).

**Required Courses**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADMJ 100 Introduction to Administration of Justice</td>
</tr>
<tr>
<td>ADMJ 102 Principles and Procedures of Justice</td>
</tr>
<tr>
<td>ADMJ 104 Concepts of Criminal Law</td>
</tr>
<tr>
<td>ADMJ 106 Legal Aspects of Evidence</td>
</tr>
<tr>
<td>ADMJ 108 Community Relations</td>
</tr>
<tr>
<td>ADMJ 120 Criminal Investigation</td>
</tr>
<tr>
<td>ADMJ 123 Concepts of Enforcement Principles</td>
</tr>
<tr>
<td>ADMJ 125 Juvenile Procedures</td>
</tr>
</tbody>
</table>

**Total Required Units: 24**
**List A: Select one course from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 155</td>
<td>3 units</td>
</tr>
<tr>
<td>ANTH 180</td>
<td>3 units</td>
</tr>
<tr>
<td>MATH 200</td>
<td>4 units</td>
</tr>
</tbody>
</table>

**List B: Select one course from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 105</td>
<td>3 units</td>
</tr>
<tr>
<td>BIOL 250</td>
<td>4 units</td>
</tr>
<tr>
<td>GEOL 210</td>
<td>4 units</td>
</tr>
</tbody>
</table>

**List C: Select one course from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 165</td>
<td>3 units</td>
</tr>
<tr>
<td>ANTH 170</td>
<td>3 units</td>
</tr>
<tr>
<td>ANTH 360</td>
<td>3 units</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 104</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 106</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 235</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 240</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 244</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 435</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 436</td>
<td>3 units</td>
</tr>
<tr>
<td>SOCI 141</td>
<td>3 units</td>
</tr>
<tr>
<td>SOCI 142</td>
<td>3 units</td>
</tr>
<tr>
<td>SOCI 201</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 18 - 20**

**General Education** - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement. Up to a total of 9-19 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline College Associate Degree requirements. Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

---

### ART

#### AA Associate in Arts Degree Program

Art.................................................. 60 units

#### AA-T Associate in Arts Degree for Transfer

Art History for Transfer............................ 60 units

Studio Arts for Transfer............................ 60 units

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### AA Art

Skyline College's Art Program ensures a strong foundation in the visual arts. Enrolling in studio courses provides opportunities to explore the diversity of methods and materials to make art. Drawing, painting, photography, digital arts and other 2-d arts, 3-d media like sculpture and ceramics, studies in film and video, are all available to the student. Art History and Art Appreciation courses offer students an exploration of art through historical times and places, to make connections to the student’s own life.

#### Career Opportunities

An education in art fosters creativity, encourages independent thinking, and develops personal expression. Art is a broad field where one may apply training in visual foundations to a wide range of careers that include architecture, archiving, art conservation/restoration, art direction, art education, art history, art sales, art therapy, digital art, digital animation, commercial photography, courtroom sketching, curating, fashion design, fine art, fine art photography, forensic art, graphic design, illustration, interior design, industrial design, interactive design, museum/gallery direction, theater and movie set design, UI/UX, video game design, videography and cinematography,
visual merchandising, web design, window design, and other creative job paths.

Program Learning Outcomes

Students completing this program will be able to:

1. Students will develop visual literacy through communication, analysis, and reflection of artworks and the concepts and influences from which artworks originate.
2. Students will develop physical/technical skills within an art/design based medium to be used as tools for creative expression.

Required Core Courses

Select two courses (6 units minimum) from the following:

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>History of Western Art I</td>
</tr>
<tr>
<td>ART 102</td>
<td>History of Art II</td>
</tr>
<tr>
<td>ART 105</td>
<td>Art of Asia &amp; the Near East</td>
</tr>
<tr>
<td>ART 107</td>
<td>Art of Our Times</td>
</tr>
<tr>
<td>ART 117</td>
<td>Arts of Africa and the African Diaspora</td>
</tr>
<tr>
<td>ART 120</td>
<td>Art of the Americas</td>
</tr>
</tbody>
</table>

Studio Foundation Courses (9 units):

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 204</td>
<td>Drawing I</td>
</tr>
<tr>
<td>ART 301</td>
<td>Two-Dimensional Design</td>
</tr>
<tr>
<td>ART 401</td>
<td>Three-Dimensional Design</td>
</tr>
</tbody>
</table>

Select two courses (6 units minimum) from the following:

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 207</td>
<td>Life Drawing</td>
</tr>
<tr>
<td>ART 214</td>
<td>Color</td>
</tr>
<tr>
<td>ART 221</td>
<td>Painting I</td>
</tr>
<tr>
<td>ART 231</td>
<td>Watercolor I</td>
</tr>
<tr>
<td>ART 234</td>
<td>Printmaking I</td>
</tr>
<tr>
<td>ART 351</td>
<td>Black and White Photography I</td>
</tr>
<tr>
<td>ART 354</td>
<td>Digital Photography I</td>
</tr>
<tr>
<td>ART 405</td>
<td>Sculpture I</td>
</tr>
<tr>
<td>ART 411</td>
<td>Ceramics I</td>
</tr>
<tr>
<td>ART 430</td>
<td>Introduction to Digital Art</td>
</tr>
<tr>
<td>ART 431</td>
<td>Digital Imaging I: Photoshop</td>
</tr>
<tr>
<td>ART 435</td>
<td>Digital Illustration</td>
</tr>
</tbody>
</table>

Plus a selection of two or more courses (6 units minimum) from the following list or in any other Art courses not taken from the lists above:

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 205</td>
<td>Drawing II</td>
</tr>
<tr>
<td>ART 217</td>
<td>Intermediate Life Drawing</td>
</tr>
<tr>
<td>ART 232</td>
<td>Watercolor II</td>
</tr>
<tr>
<td>ART 239</td>
<td>Printmaking II: Monotype, Monoprint and Mixed Media</td>
</tr>
<tr>
<td>ART 352</td>
<td>Black and White Photography II</td>
</tr>
<tr>
<td>ART 353</td>
<td>Black and White Photography III</td>
</tr>
<tr>
<td>ART 355</td>
<td>Digital Photography II</td>
</tr>
<tr>
<td>ART 406</td>
<td>Sculpture II</td>
</tr>
<tr>
<td>ART 407</td>
<td>Sculpture III: Direct Metal</td>
</tr>
<tr>
<td>ART 412</td>
<td>Ceramics II</td>
</tr>
<tr>
<td>ART 417</td>
<td>Ceramic Glazing Techniques</td>
</tr>
<tr>
<td>ART 418</td>
<td>Ceramics III</td>
</tr>
<tr>
<td>ART 432</td>
<td>Digital Imaging II: Advanced Photoshop</td>
</tr>
<tr>
<td>ART 440</td>
<td>Introduction to Web Design</td>
</tr>
<tr>
<td>ART 441</td>
<td>Intermediate Web Design</td>
</tr>
<tr>
<td>ART 479</td>
<td>Typography</td>
</tr>
</tbody>
</table>

Total Required Major Units: 27

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

**AA-T  Art History for Transfer**

The Associate in Arts in Art History for Transfer degree from Skyline College prepares students for transfer into the CSU system to obtain a degree in Art History or a closely related discipline. The degree promotes an understanding of art across time, cultures and geographic boundaries. Students are taught to apply fundamental art and art historical terminology and methodologies to analyze works, in order to articulate the historical, social, and aesthetic functions of art.

The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring
to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Career Opportunities
An education in art fosters creativity, encourages independent thinking, and develops personal expression. Art is a broad field where one may apply training in visual foundations to a wide range of careers that include architecture, archiving, art conservation/restoration, art direction, art education, art history, art sales, art therapy, digital art, digital animation, commercial photography, courtroom sketching, curating, fashion design, fine art, fine art photography, forensic art, graphic design, illustration, interior design, industrial design, interactive design, museum/gallery direction, theater and movie set design, UI/UX, video game design, videography and cinematography, visual merchandising, web design, window design, and other creative job paths.

Program Learning Outcomes
Students completing this program will be able to:

1. Develop visual literacy through communication, analysis, and reflection of artworks and the concepts and influences from which artworks originate.
2. Develop physical/technical skills within an art/design based medium to be used as tools for creative expression.

Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 102</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 204</td>
<td>3 units</td>
</tr>
</tbody>
</table>

List A – Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 105</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 120</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 117</td>
<td>3 units</td>
</tr>
</tbody>
</table>

List B – Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 207</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 301</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 351</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 401</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 405</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 411</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 430</td>
<td>3 units</td>
</tr>
</tbody>
</table>

List C – Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 107</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 115</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 175</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 221</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 350</td>
<td>3 units</td>
</tr>
<tr>
<td>ANTH 110</td>
<td>3 units</td>
</tr>
<tr>
<td>ANTH 150</td>
<td>3 units</td>
</tr>
<tr>
<td>FILM 440</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 104</td>
<td>3 units</td>
</tr>
<tr>
<td>HIST 106</td>
<td>3 units</td>
</tr>
<tr>
<td>PHIL 100</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 18

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 6-9 major units may be double counted to meet general education requirements. This degree does not require the Skyline College Associate Degree requirements.
Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

**AA-T Studio Arts for Transfer**

The Associate in Arts in Studio Arts for Transfer degree from Skyline College prepares students for transfer into the CSU system to obtain a degree in Studio Arts or a closely related discipline. The degree promotes historical and contemporary perspectives on the creation of art, the ability to analyze and understand compositional structure, and hands-on skills working in a variety of media.

The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

**Career Opportunities**

An education in art fosters creativity, encourages independent thinking, and develops personal expression. Art is a broad field where one may apply training in visual foundations to a wide range of careers that include architecture, archiving, art conservation/restoration, art direction, art education, art history, art sales, art therapy, digital art, digital animation, commercial photography, courtroom sketching, curating, fashion design, fine art, fine art photography, forensic art, graphic design, illustration, interior design, industrial design, interactive design, museum/gallery direction, theater and movie set design, UI/UX, video game design, videography and cinematography, visual merchandising, web design, window design, and other creative job paths.

**Program Learning Outcomes**

Students completing this program will be able to:

1. develop visual literacy through communication, analysis, and reflection of artworks and the concepts and influences from which artworks originate.

2. develop physical/technical skills within an art/design based medium to be used as tools for creative expression.

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 102</td>
<td>History of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 301</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 401</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 204</td>
<td>Drawing I</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A – Select one course from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 105</td>
<td>Art of Asia &amp; the Near East</td>
<td>3</td>
</tr>
<tr>
<td>ART 107</td>
<td>Art of Our Times</td>
<td>3</td>
</tr>
</tbody>
</table>

**List B – Select three Curricular Areas from the following (9 units):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 205</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 207</td>
<td>Life Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 234</td>
<td>Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 411</td>
<td>Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>ART 405</td>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART 430</td>
<td>Introduction to Digital Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 351</td>
<td>Black and White Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 354</td>
<td>Digital Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 214</td>
<td>Color</td>
<td>3</td>
</tr>
<tr>
<td>ART 231</td>
<td>Watercolor I</td>
<td>3</td>
</tr>
<tr>
<td>ART 435</td>
<td>Digital Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART 440</td>
<td>Introduction to Web Design</td>
<td>3</td>
</tr>
</tbody>
</table>
Second Semester Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 222</td>
<td>Painting II</td>
<td>3</td>
</tr>
<tr>
<td>ART 232</td>
<td>Watercolor II</td>
<td>3</td>
</tr>
<tr>
<td>ART 352</td>
<td>Black and White Photography II</td>
<td>3</td>
</tr>
<tr>
<td>ART 355</td>
<td>Digital Photography II</td>
<td>3</td>
</tr>
<tr>
<td>ART 406</td>
<td>Sculpture II</td>
<td>3</td>
</tr>
<tr>
<td>ART 412</td>
<td>Ceramics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus CSU General Education or IGETC for CSU requirements. Up to a total of six (6) major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline College Associate Degree requirements. Plus CSU transferable elective courses as needed to reach a total of 60 units.

**Total Required Major Units: 24**

**General Education** - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

**AUTOMOTIVE TECHNOLOGY**

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**AS** Associate in Science Degree Program

- Automotive Technician.............................................60 units
- Automotive Technology.............................................60 units

**CA** Certificate of Achievement

- Asian Engine Performance Technology..................19 - 20 units
- Automotive Advanced Engine Performance Technology....19 - 20 units
- Automotive Chassis, Alignment & Brake Technology.............................................19 - 20 units
- Automotive Drive Train Technology............................19 - 20 units
- Automotive Electricity/Electronics............................19 - 20 units
- Automotive Engine Performance Technology..............19 - 20 units
- Automotive Engines Technology..................................19 - 20 units

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**CC** Career Certificate

- Automotive Entrepreneurship.....................................7 units
- Automotive Technician - Entry Level...........................6 units

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**AS** Automotive Technician

The College's Automotive Technology program is certified by the National Automotive Technicians Education Foundation (NATEF) of the National Institute for Automotive Service Excellence (ASE).

The program is conducted in a well-equipped facility with a large fleet of late model domestic and import vehicles. Automobile manufacturers provide substantial support for the program.

Students can pursue a certificate or degree in Automotive Technology or a specialty degree or certificate in Asian Automotive Technology. Our partnerships with Audi of America, Subaru of America, Nissan of America and Serramonte Ford provides employment opportunities for students enrolled in our programs. The College also provides numerous classes to update the knowledge and skills of practicing technicians.

**Career Opportunities**

Automotive apprenticeship and entry level automotive technician.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Successfully pass 3 out of 8 Automotive Service Excellence (ASE) exams
2. Apply theories, principles, and concepts to address skills learned that would apply to the NATEF Certified areas of the Automotive Technology Program.
3. Exhibit strong and effective written and oral communication skills.
4. Exhibit strong electrical and mechanical analytical diagnostic skills.
5. Recognize the importance of and practice ethical behavior in a professional work setting, both within the workforce and within the community.
6. Successfully complete 100% of P-1 NATEF specific tasks.
7. Successfully complete 95% of the P-2 NATEF specific tasks.
8. Successfully complete 65% of the P-3 NATEF specific tasks.

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 758</td>
<td>Automotive Computer Controls</td>
<td>3</td>
</tr>
<tr>
<td>OR AUTO 858</td>
<td>Automotive Computer Controls (Apprenticeship)</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 793</td>
<td>Engine Performance</td>
<td>2</td>
</tr>
<tr>
<td>OR AUTO 893</td>
<td>Engine Performance (Apprenticeship)</td>
<td>2</td>
</tr>
<tr>
<td>AUTO 520</td>
<td>Automotive Braking Systems</td>
<td>4.5</td>
</tr>
<tr>
<td>OR AUTO 920</td>
<td>Automotive Braking Systems (Apprenticeship)</td>
<td>4.5</td>
</tr>
<tr>
<td>AUTO 521</td>
<td>Manual Transmissions, Clutches and Differentials</td>
<td>4.5</td>
</tr>
<tr>
<td>OR AUTO 921</td>
<td>Manual Transmission, Clutches and Differentials (Apprenticeship)</td>
<td>4.5</td>
</tr>
<tr>
<td>AUTO 522</td>
<td>Automotive Steering, Suspension and Alignment Systems</td>
<td>4.5</td>
</tr>
<tr>
<td>OR AUTO 922</td>
<td>Automotive Steering, Suspension and Alignment Systems (Apprenticeship)</td>
<td>4.5</td>
</tr>
<tr>
<td>AUTO 523</td>
<td>Automotive Electrical and Electronic Systems</td>
<td>4.5</td>
</tr>
<tr>
<td>OR AUTO 923</td>
<td>Automotive Electrical and Electronic Systems (Apprenticeship)</td>
<td>4.5</td>
</tr>
<tr>
<td>AUTO 526</td>
<td>Automatic Transmission Principles, Repair and Diagnosis</td>
<td>4.5</td>
</tr>
<tr>
<td>OR AUTO 926</td>
<td>Automatic Transmission Principles, Repair and Diagnosis (Apprenticeship)</td>
<td>4.5</td>
</tr>
</tbody>
</table>

**And**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 529</td>
<td>Modern Engine Design, Troubleshooting And Repair</td>
<td>4.5 units</td>
</tr>
<tr>
<td>OR AUTO 929</td>
<td>Modern Engine Design, Troubleshooting and Repair (Apprenticeship)</td>
<td>4.5 units</td>
</tr>
</tbody>
</table>

**Plus a minimum of 9 units from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 510</td>
<td>Basic Hybrid Powertrains</td>
<td>4 units</td>
</tr>
<tr>
<td>OR AUTO 910</td>
<td>Basic Hybrid Powertrains (Apprenticeship)</td>
<td>4 units</td>
</tr>
<tr>
<td>AUTO 524</td>
<td>Smog Check Inspector Training Level I</td>
<td>3.5 units</td>
</tr>
<tr>
<td>OR AUTO 824</td>
<td>Smog Check Inspector Training Level I (Apprenticeship)</td>
<td>3.5 units</td>
</tr>
<tr>
<td>AUTO 525</td>
<td>Smog Check Inspector Training Level II</td>
<td>1.5 units</td>
</tr>
<tr>
<td>OR AUTO 825</td>
<td>Smog Check Inspector Training Level II (Apprenticeship)</td>
<td>1.5 units</td>
</tr>
<tr>
<td>AUTO 739</td>
<td>OBD II Evaporative Emission Systems</td>
<td>1 unit</td>
</tr>
<tr>
<td>OR AUTO 839</td>
<td>OBD II Evaporative Emission Systems (Apprenticeship)</td>
<td>1 unit</td>
</tr>
<tr>
<td>AUTO 765</td>
<td>Ignition Systems I</td>
<td>0.5 units</td>
</tr>
<tr>
<td>OR AUTO 865</td>
<td>Ignition Systems I (Apprenticeship)</td>
<td>0.5 units</td>
</tr>
<tr>
<td>AUTO 768</td>
<td>On-Board Diagnostics II (OBDII)</td>
<td>3 units</td>
</tr>
<tr>
<td>OR AUTO 868</td>
<td>On-Board Diagnostics II (OBDII) (Apprenticeship)</td>
<td>3 units</td>
</tr>
<tr>
<td>AUTO 786</td>
<td>Automotive Air Conditioning Systems</td>
<td>2 units</td>
</tr>
<tr>
<td>OR AUTO 860</td>
<td>Automotive Air Conditioning Systems (Apprenticeship)</td>
<td>2 units</td>
</tr>
<tr>
<td>AUTO 530</td>
<td>Engine Design with Cylinder Head Diagnosis and Repair</td>
<td>4.5 units</td>
</tr>
<tr>
<td>OR AUTO 930</td>
<td>Engine Design with Cylinder Head Diagnosis and Repair (Apprenticeship)</td>
<td>4.5 units</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>AUTO 930</td>
<td>Engine Design with Cylinder Head Diagnosis and Repair (Apprenticeship)</td>
<td>4.5</td>
</tr>
<tr>
<td>AUTO 531</td>
<td>Engine Design with Block Diagnosis and Repair</td>
<td>4.5</td>
</tr>
<tr>
<td>AUTO 931</td>
<td>Engine Design with Block Diagnosis and Repair (Apprentice)</td>
<td>4.5</td>
</tr>
<tr>
<td>AUTO 6651</td>
<td>Oxyacetylene for Automotive Technicians</td>
<td></td>
</tr>
<tr>
<td>AUTO 6652</td>
<td>Light Duty Diesel</td>
<td></td>
</tr>
</tbody>
</table>

**Total Required Major Units: 41**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

## AS Automotive Technology

The College’s Automotive Technology program is certified by the National Automotive Technicians Education Foundation (NATEF) of the National Institute for Automotive Service Excellence (ASE). Students completing the program will be prepared to take all eight Automotive Service Exams (ASE) in the Automotive Technology Program giving them the additional certification desired in the industry when they seek employment. In addition, students who complete the program will be able to obtain a California Smog Check Technician License. Visit the National Automotive Technicians Education Foundation (NATEF) website for more information at [https://www.aseeducationfoundation.org/](https://www.aseeducationfoundation.org/) and the California Department of Consumer Affairs, Bureau of Automotive Repair at [http://www.bar.ca.gov/](http://www.bar.ca.gov/).

The program is conducted in a well-equipped facility with a large fleet of late model domestic and import vehicles. Automobile manufacturers provide substantial support for the program.

Students can pursue a certificate or degree in Automotive Technology through our Automotive Global Pathway. Our partnerships with Nissan of America, Audi of America, Subaru of America, Serramonte Ford, and local independent repair businesses provide employment opportunities for students enrolled in our programs. Skyline College Automotive Program also provides numerous classes to update the knowledge and skills of practicing technicians.

Skyline College’s Automotive Program is accredited by:

**National Automotive Technicians Education Foundation**
1503 Edwards Ferry Rd., NE

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**ADMISSION PROCEDURES AND REQUIREMENTS**

Applications must be received by April 15 for the fall semester and by November 1 for the spring semester. All documents should be submitted to the Automotive Department office. Applications received after the deadline will be assigned the next available number on a waiting list according to the date received. Applicants with complete applications will be informed of the status of their applications within two weeks of the next semester beginning date. Applicants are responsible for submitting the following:

1. Completed Skyline College application.
2. Completed Automotive Technology Program Application.
3. Documented proof of prior experience. All statements must be substantiated by attached documents of verification (a transcript or letter from employer). Such documentation may come from one or more of the following:
   - One semester of AUTO 710 or AUTO 711 at Skyline College (or equivalent from another community college) with a grade of “C” or better. (Submit a copy of your final grade report with your application or a letter from your instructor.)
   or
   - One year of high school automotive training with a grade of “C” or better (verified by official transcript).
   or
   - One year of full-time related work experience with accompanying letter of verification from employer specifying employment dates and duties. Depending on the job description and duties performed, an Automotive fundamentals exam with a passing score may be required for acceptance.
4. Students must demonstrate Math proficiency in one of the following ways:
   - Successful completion of one year of a U.S. high school Elementary Algebra course. The final course in the term must be completed with a grade of "C" or better. *(Submit a copy of your high school transcript with the application)*; or
   - Successful completion of a college Elementary Algebra, or higher level course, with a grade of “C” or better *(Submit a copy of your college transcript with the application)*; or
   - Demonstrated placement at the Intermediate Algebra level, or higher, on the Skyline College
Math Placement Test. *(Submit a copy of your Math placement result (found in WebSmart) with the application.)*

5. Students must demonstrate English proficiency in one of the following ways:
   • Successful completion of one year of a U.S. high school senior English course. The final course in the term must be completed with a grade of "C" or better. *(Submit a copy of your high school transcript with the application.)* or
   • Successful completion of a college-level writing course, with a grade of "C" or better *(Submit a copy of your college transcript with the application)*; or
   • Successful completion of ESOL 400, or equivalent, with a grade of "C" or better *(Submit a copy of your college transcript with the application)*; or
   • Demonstrated placement in a college-level reading & writing course (ENGL 846) or higher, on the Skyline College English Placement Test. *(Submit a copy of the English placement result (found on Websmart) with the application.)*

*Note: Students enrolled in the second term of their senior English and/or Math course by the application deadline may submit a high school transcript showing successful completion of the first term of a senior English and/or Math course with a grade of "C" or better. A final high school transcript showing successful completion of the second term of the senior English and/or math course, with a grade of "C" or better, must be submitted by July 1st.*

**Note:** Writing course can be no more than one level below a college-level Composition course.

**NOTE:** Minimum requirements may be lowered at the discretion of the selection committee depending on the number of available seats and the number of applicants.

If the program is impacted, there may be a waiting list. The applicant will be notified by email of application and enrollment status. Students who are unable to enroll during the current semester due to the program being impacted and wish to be considered for the following semester should notify the Automotive Department to forward their application. For further information on the Automotive Program, please call (650) 738-4438.

**Career Opportunities**

Employment as an entry level Automotive Technician in any repair business that works on transportation vehicles. New car dealers, independent repair business, State and city government, Mass merchandiser, Airport transportation support vehicles, etc.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Successfully pass 3 out of 8 Automotive Service Excellence (ASE) exams.

2. Apply theories, principles, and concepts to address skills learned that would apply to the NATEF Certified areas of the Automotive Technology Program.

3. Exhibit strong and effective written and oral communication skills.

4. Exhibit strong electrical and mechanical analytical diagnostic skills.

5. Recognize the importance of and practice ethical behavior in a professional work setting, both within the workforce and within the community.

6. Successfully complete 100% of P-1 NATEF specific tasks.

7. Successfully complete 95% of the P-2 NATEF specific tasks.

8. Successfully complete 65% of the P-3 NATEF specific tasks.

**Required Core Course**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 713</td>
<td>15 units</td>
</tr>
</tbody>
</table>

**Plus a selection of 30 units from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 546 Body Control Systems</td>
<td>15 units</td>
</tr>
<tr>
<td>AUTO 721 Automotive Steering, Suspension &amp; Brakes</td>
<td>15 units</td>
</tr>
<tr>
<td>AUTO 734 Automotive Engine Diagnosis and Repair</td>
<td>15 units</td>
</tr>
<tr>
<td>AUTO 735 Automotive Transmission &amp; Drive Trans Diagnosis and Repair</td>
<td>15 units</td>
</tr>
<tr>
<td>AUTO 745 Asian Brakes and Chassis</td>
<td>15 units</td>
</tr>
<tr>
<td>AUTO 749 Asian Engine Performance</td>
<td>15 units</td>
</tr>
<tr>
<td>AUTO 751 Automotive Engine Performance</td>
<td>15 units</td>
</tr>
<tr>
<td>AUTO 752 Advanced Engine Performance</td>
<td>15 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 45**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.
**Asian Engine Performance Technology**

For gainful employment information, see this program's gainful employment website.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 710 Fundamentals of Automotive Technology</td>
<td>4 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>AUTO 711 Automotive Entry Level Technician Fundamentals</td>
<td>5 units</td>
</tr>
<tr>
<td>AUTO 749 Asian Engine Performance</td>
<td>15 units</td>
</tr>
</tbody>
</table>

Total Required Units: 19 - 20

**Automotive Advanced Engine Performance Technology**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 710 Fundamentals of Automotive Technology</td>
<td>4 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>AUTO 711 Automotive Entry Level Technician Fundamentals</td>
<td>5 units</td>
</tr>
<tr>
<td>AUTO 752 Advanced Engine Performance</td>
<td>15 units</td>
</tr>
</tbody>
</table>

Total Required Units: 19 - 20

**Automotive Drive Train Technology**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 710 Fundamentals of Automotive Technology</td>
<td>4 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>AUTO 711 Automotive Entry Level Technician Fundamentals</td>
<td>5 units</td>
</tr>
<tr>
<td>AUTO 735 Automotive Transmission and Drivetrains Diagnosis and Repair</td>
<td>15 units</td>
</tr>
</tbody>
</table>

Total Required Units: 19 - 20

**Automotive Electricity/Electronics**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 710 Fundamentals of Automotive Technology</td>
<td>4 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>AUTO 711 Automotive Entry Level Technician Fundamentals</td>
<td>5 units</td>
</tr>
<tr>
<td>AUTO 713 Automotive Electricity and Electronics</td>
<td>15 units</td>
</tr>
</tbody>
</table>

Total Required Units: 19 - 20

**Automotive Chassis, Alignment & Brake Technology**

For gainful employment information, see this program's gainful employment website.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 710 Fundamentals of Automotive Technology</td>
<td>4 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
</tbody>
</table>
### CA Automotive Engine Performance Technology

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 710 Fundamentals of Automotive Technology</td>
<td>4 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>AUTO 711 Automotive Entry Level Technician Fundamentals</td>
<td>5 units</td>
</tr>
<tr>
<td>AUTO 751 Automotive Engine Performance</td>
<td>15 units</td>
</tr>
</tbody>
</table>

**Total Required Units: 19 - 20**

### CA Automotive Engines Technology

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 710 Fundamentals of Automotive Technology</td>
<td>4 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>AUTO 711 Automotive Entry Level Technician Fundamentals</td>
<td>5 units</td>
</tr>
<tr>
<td>AUTO 734 Automotive Engine Diagnosis and Repair</td>
<td>15 units</td>
</tr>
</tbody>
</table>

**Total Required Units: 19 - 20**

### CC Automotive Entrepreneurship

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS. 150 Entrepreneurship - Small Business Management</td>
<td>3 units</td>
</tr>
<tr>
<td>MGMT 100 Introduction to Management</td>
<td>3 units</td>
</tr>
<tr>
<td>AUTO 670 Vocational Cooperative Education in Automotive</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

**Total Required Units: 7**

### CC Automotive Technician - Entry Level

For gainful employment information, see this program's [gainful employment website](#).  

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 711 Automotive Entry Level Technician Fundamentals</td>
<td>5 units</td>
</tr>
<tr>
<td>COUN 657 Auto Guidance Seminar - Career Advancement Academy</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

**Total Required Units: 6**

### BIOLOGY

#### AS Associate in Science Degree Program
- Allied Health Science........................................................................60 units
- Biotechnology.........................................................................................60 units
- Natural Science.....................................................................................60 units

#### AS-T Associate in Science Degree for Transfer
- Biology for Transfer...............................................................................60 units

### AS Allied Health Science

Careers in Allied Health professions are among the fastest growing in Northern California. The Associate in Science Degree with a major in Allied Health provides foundation courses necessary for health careers and for transfer programs to four-year colleges and universities.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Use aseptic technique in clinical and laboratory environments.
2. Discuss and understand the role of microorganisms in healthy individuals and in infectious diseases.
3. Demonstrate understanding of the structure of the human body.
4. Demonstrate an understanding of the functions of the organ systems of the human body.
5. Apply the concept of homeostasis to basic principles in medicine.
6. Discuss and understand the principles of cellular metabolism, molecular genetics, and immunology.
7. Demonstrate the ability to report scientific information appropriately and effectively
8. Utilize the scientific method to analyze and interpret data.
9. Use the periodic table and other reference sources to gather information needed to solve chemical problems
10. Identify functional groups or reaction types and understand the role of biologically important molecules (carbohydrates, lipids, proteins, and nucleic acids) in the body.

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 240</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 250</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 260</td>
<td>5 units</td>
</tr>
<tr>
<td>CHEM 410</td>
<td>4 units</td>
</tr>
<tr>
<td>CHEM 210</td>
<td>5 units</td>
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</table>

*Plus a selection of at least 3 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 110</td>
<td>4 units</td>
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<tr>
<td>BIOL 130</td>
<td>3 units</td>
</tr>
<tr>
<td>BIOL 215</td>
<td>5 units</td>
</tr>
<tr>
<td>BIOL 230</td>
<td>5 units</td>
</tr>
<tr>
<td>BIOL 310</td>
<td>3 units</td>
</tr>
<tr>
<td>CHEM 220</td>
<td>5 units</td>
</tr>
<tr>
<td>HSCI 180</td>
<td>3 units</td>
</tr>
<tr>
<td>EMC. 400</td>
<td>2.5 units</td>
</tr>
<tr>
<td>PHYS 210</td>
<td>4 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 24**

*And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.*

---

### Biotechnology

The Biotechnology degree and certificates prepare graduates for careers in the life science industry and for transfer. Students receive hands-on training in biology and chemistry and master a variety of skills essential to the field of biotechnology.

Biotech technicians perform experiments and assays, manufacture products, or assist with research. Key tasks include testing procedures, material processing, equipment maintenance, inventory control and data collection and evaluation. Technicians also observe and document safe practices, quality assurance, record keeping and compliance with government regulations.

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 215 Organismal Biology: Core I</td>
<td>5 units</td>
</tr>
<tr>
<td>BIOL 230 Introduction to Cell Biology: Core II</td>
<td>5 units</td>
</tr>
<tr>
<td>BIOL 240 General Microbiology</td>
<td>4 units</td>
</tr>
<tr>
<td>CHEM 234 Organic Chemistry I</td>
<td>3 units</td>
</tr>
<tr>
<td>CHEM 235 Organic Chemistry II</td>
<td>3 units</td>
</tr>
<tr>
<td>CHEM 237 Organic Chemistry Lab I</td>
<td>2 units</td>
</tr>
<tr>
<td>CHEM 238 Organic Chemistry Lab II</td>
<td>2 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 24**

*And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.*

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### Natural Science

**Program Learning Outcomes**

Students completing this program will be able to:

1. Demonstrate understanding of how the major groups of living organisms are related to each other and of their adaptations for survival.
2. Demonstrate understanding of the major concepts in cell biology, and the experimental approaches take to address them.
3. Write clear and well-argued descriptions of topics in science, based on the course material and articles.
4. Master laboratory techniques including microscopy, spectrophotometry, gel electrophoresis, and PCR.
5. Design, perform and analyze experiments.
6. Continue with upper division coursework in Biology.

**Select 18-24 units from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 215 Organismal Biology: Core I</td>
<td>5 units</td>
</tr>
</tbody>
</table>
BIOL 230  Introduction to Cell Biology: Core II  5 units
BIOL 260  Human Physiology  5 units
CHEM 210  General Chemistry I  5 units
CHEM 220  General Chemistry II  5 units
CHEM 234  Organic Chemistry I  3 units
CHEM 237  Organic Chemistry Lab I  2 units
CHEM 235  Organic Chemistry II  3 units
CHEM 238  Organic Chemistry Lab II  2 units
COMP 155  Computer Programming Visual Basic  3 units
COMP 250  Programming Methods I: C++  3 units
GEOL 210  General Geology  4 units
PHYS 210  General Physics I  4 units
PHYS 220  General Physics II  4 units
PHYS 250  Physics with Calculus I  4 units
PHYS 260  Physics with Calculus II  4 units
PHYS 270  Physics with Calculus III  4 units

Total Required Major Units: 18 - 24
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

AS-T Biology for Transfer

The Associate in Science in Biology for Transfer (AS-T) prepares students for seamless transfer to a CSU to obtain a degree in Biological Sciences or a closely related discipline. Additionally, this degree allows student to learn the fundamental principles and practices in Biology in order to create a solid foundation and solid preparation that is appropriate for a variety of scientific disciplines. The AS-T courses for Biology are intended to provide a solid foundation for the student who wishes to pursue further study at the baccalaureate level and for some graduate level programs, or enter a pre-professional or professional program in a health-related field.

The Associate in Science in Biology for Transfer (AS-T) is intended for students who plan to complete a bachelor’s degree in Biology or a closely related discipline at a California State University (CSU) campus. Students completing this degree are guaranteed admission to the California State University system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. In addition to the AS-T Biology courses, students should refer to the requirements of prospective institutions or seek advice from discipline faculty or counselor to prepare for upper division coursework.

To earn an Associate in Science in Biology for Transfer (AS-T), students must satisfy the following requirements:

1. Complete a minimum of 60 CSU " transferable semester units;
2. Earn a minimum grade point average (GPA) of at least a 2.0 in all CSU " transferable coursework;
3. Complete a minimum of 18 semester units in a "AS-T" major. Note: All courses in the major must be completed with a grade of "C" or better or a "P" if the course is taken on a "pass " no pass" basis;
4. Certified completion of the California State University General Education " Breadth pattern (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

Please note: For further information, please meet with a Skyline College Counselor.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate understanding of how the major groups of living organisms are related to each other and of their adaptations for survival.
2. Demonstrate understanding of the major concepts in cell biology, and the experimental approaches taken to address them.
3. Write clear and well-argued descriptions of topics in biological sciences, based on the course material and articles.
4. Master laboratory techniques including microscopy, spectrophotometry, gel electrophoresis, and PCR.
5. Design, perform and analyze experiments in biology.
6. Apply principles of math, chemistry and physics to the study of biology.
7. Apply knowledge of biological organisms and principles in advanced courses in order to transfer to four year institutions.

Core Courses (10 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 215</td>
<td>Organismal Biology: Core I</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 230</td>
<td>Introduction to Cell Biology: Core II</td>
<td>5</td>
</tr>
</tbody>
</table>
BIOTECHNOLOGY

AS Associate in Science Degree Program
Biotechnology Manufacturing Technician.................60 units

CA Certificate of Achievement
Biotechnology Manufacturing Assistant..............22 - 25 units
Biotechnology Manufacturing Technician.............33 units

AS Biotechnology Manufacturing Technician

The Associate of Science in Biotechnology Manufacturing Technician prepares graduates with the skills and experience to work in the biotechnology industry as a production technician. A production technician operates and maintains equipment used to manufacture protein pharmaceutical products. Students will culture and maintain bacteria, yeast, and mammalian cells as well as gain experience in the recovery of proteins that the cultures produce. Students will develop skills in good manufacturing practices (GMP) by maintaining records and following standard operating procedures. Students will be practiced in industry quality assurance procedures and government regulations. Due to the nature of culturing microorganisms, students enrolled in the program must be able to adjust their time to a flexible schedule.

Career Opportunities

Students who complete this program will gain experience in biotechnology positions which require additional industry specific training. The BTEC classes 150, 210 and 220 will give the students specific training that will allow students to apply for and function as entry level Biotechnology Technician, Manufacturing Production Technician, and Quality Control Analyst.

Program Learning Outcomes

Students completing this program will be able to:

1. Understand the structure and function of protein pharmaceuticals and evaluate which protein properties a production facility can exploit to purify a particular protein from other cellular components.
2. Construct a pathway analyzing how a drug or biologic is produced by genetically engineered cells and subsequently purified.
3. Evaluate a Standard Operating Procedure (SOP) and work through the proper channels to facilitate modifications.
4. Perform Quality evaluations on a process or procedure that is performed during Manufacturing while part of a team.

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTEC 400</td>
</tr>
<tr>
<td>BTEC 170</td>
</tr>
<tr>
<td>BTEC 171</td>
</tr>
<tr>
<td>BTEC 150</td>
</tr>
<tr>
<td>BTEC 210</td>
</tr>
<tr>
<td>BTEC 220</td>
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<tr>
<td>BIOL 230</td>
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<tr>
<td>CHEM 210</td>
</tr>
<tr>
<td>MATH 200</td>
</tr>
<tr>
<td>COOP 670</td>
</tr>
</tbody>
</table>

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

Total Required Major Units: 33

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

CA Biotechnology Manufacturing Assistant

At the completion of this program students are prepared for entry employment in Biotechnology Manufacturing. The program introduces students to current trends and processes in the biotechnology field. Students will achieve workforce readiness for entry level Manufacturing assistant positions in the stock room, assembly, and packaging.

Career Opportunities

Students who complete this program will gain experience in entry level position in biotechnology. They will have gained the training that would allow them to function in an entry level Manufacturing assistant position in Biotechnology, working in stock room, assembly and packaging.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate competence in skills and abilities as a manufacturing assistant.
2. Practice employment soft skills necessary in Biotechnology Manufacturing.
3. Create a resume and submit the resume to a local biotechnology company.

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTEC 400</td>
</tr>
<tr>
<td>BTEC 170</td>
</tr>
<tr>
<td>BTEC 171</td>
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<tr>
<td>BCM. 200</td>
</tr>
<tr>
<td>COUN 100</td>
</tr>
<tr>
<td>CRER 145</td>
</tr>
<tr>
<td>ENGL 100</td>
</tr>
<tr>
<td>MATH 120</td>
</tr>
<tr>
<td>COOP 670</td>
</tr>
</tbody>
</table>

Total Required Units: 22 - 25

CA Biotechnology Manufacturing Technician

The Certificate of Achievement in Biotechnology Manufacturing Technician prepares graduates with the skills and experience to work in the biotechnology industry as a production technician. A production technician operates and maintains equipment used to manufacture protein pharmaceutical products. Students will culture and maintain bacteria, yeast, and mammalian cells as well as gain experience in the recovery of proteins that the cultures produce. Students will develop skills in good manufacturing practices (GMP) by maintaining records and following standard operating procedures. Students will be practiced in industry quality assurance procedures and government regulations. Due to the nature of culturing microorganisms, students enrolled in the program must be able to adjust their time to a flexible schedule.

The Certificate of Achievement is for students who have already obtained a minimum of an Associate Degree and have completed required preparatory science courses.
Career Opportunities

Students who complete this program will gain experience in positions in biotechnology which require additional industry specific training. The BTEC classes 150, 210 and 220 will give the students specific training that will allow students to apply for and function as entry level Biotechnology Technician, Manufacturing Production Technician, and Quality Control Analyst.

Program Learning Outcomes

Students completing this program will be able to:

1. Understand the structure and function of protein pharmaceuticals and evaluate which protein properties a production facility can exploit to purify a particular protein from other cellular components.
2. Construct a pathway analyzing how a drug or biologic is produced by genetically engineered cells and subsequently purified.
3. Evaluate a Standard Operating Procedure (SOP) and work through the proper channels to facilitate modifications.
4. Perform Quality evaluations on a process or procedure that is performed during Manufacturing while part of a team.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTEC 400</td>
<td>Foundations of Biotechnology</td>
<td>2</td>
</tr>
<tr>
<td>BTEC 410</td>
<td>Principles of Applied Bioscience</td>
<td>3</td>
</tr>
<tr>
<td>BTEC 171</td>
<td>Laboratory Principles of Applied Bioscience</td>
<td>1</td>
</tr>
<tr>
<td>BTEC 150</td>
<td>Biotechnology Instrumentation: Quality Control and Genetic Engineering</td>
<td>4</td>
</tr>
<tr>
<td>BTEC 210</td>
<td>Business and Regulatory Practices in Biotechnology</td>
<td>3</td>
</tr>
<tr>
<td>BTEC 220</td>
<td>Cell Culture and Protein Recovery</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 230</td>
<td>Introduction to Cell Biology: Core II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 210</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Elementary Probability &amp; Statistics</td>
<td>4</td>
</tr>
<tr>
<td>COOP 670</td>
<td>Vocational Cooperative Education</td>
<td>2</td>
</tr>
</tbody>
</table>

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

Total Required Units: 33

BUSINESS

AS Associate in Science Degree Program

Business Management ........................................ 60 units

AS-T Associate in Science Degree for Transfer

Business Administration for Transfer ..................... 60 units

CA Certificate of Achievement

Business Administration .................................... 29 - 32 units

Business Administration .................................... 31 units

Entrepreneurship and Small Business Management 24 units

Office Assistant ............................................. 12 - 14 units

CS Certificate of Specialization: Not Transcript Reported

Entrepreneurship ............................................. 12 units

Warehouse and Logistics ................................... 11 units

SC Skills Certificate

Entry-Level Warehousing .................................... 4 units

AS Business Management

The Business Management degree program is designed for students who are interested in a professional degree in business, marketing, management or training, as well as for students preparing for career entry positions. Whether considering positions in large corporations or thinking about starting your own company, the business management degree provides a broad knowledge of the key management functions of business. The degree combines management, marketing, legal, accounting, communications, and human relations courses, along with additional business and economic courses to prepare a person to assume a management position.

Career Opportunities

Assistant store managerAdministrative assistantStore managerRelationship bankerSales consultantSales support specialist

Program Learning Outcomes

Students completing this program will be able to:

1. Critical Thinking: Apply critical thinking and analytical skills in decision making and problem solving.
3. Business Law: Understand how the law and the legal environment relate to business operations, including ethical implications.
4. Intro to Business Information Systems: Utilize multimedia and software applications to enhance business decision-making processes.
5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.

### Required Core Business Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 121</td>
<td>Financial Accounting</td>
<td>4 units</td>
</tr>
<tr>
<td>BUS. 103</td>
<td>Introduction to Business Information Systems</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 201</td>
<td>Business Law</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 401</td>
<td>Business Communications</td>
<td>3 units</td>
</tr>
<tr>
<td>ECON 100</td>
<td>Principles of Macro Economics</td>
<td>3 units</td>
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</tbody>
</table>

### Required Core Courses for the Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 131</td>
<td>Managerial Accounting</td>
<td>4 units</td>
</tr>
<tr>
<td>BUS. 100</td>
<td>Introduction to Business</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 101</td>
<td>Human Relations at Work</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 150</td>
<td>Entrepreneurship - Small Business Management</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 180</td>
<td>Principles of Marketing</td>
<td>3 units</td>
</tr>
<tr>
<td>MGMT 100</td>
<td>Introduction to Business Management</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Plus a minimum of 3 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCM. 225</td>
<td>Spreadsheets I: Excel</td>
<td>1 unit</td>
</tr>
<tr>
<td>BCM. 226</td>
<td>Spreadsheets II: Excel</td>
<td>2 units</td>
</tr>
<tr>
<td>BUS. 120</td>
<td>Mathematical Analysis for Business</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 123</td>
<td>Statistics</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 161</td>
<td>Creativity and Innovation in Entrepreneurship</td>
<td>3 units</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3 units</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Elem Probability &amp; Statistics</td>
<td>4 units</td>
</tr>
<tr>
<td>MATH 241</td>
<td>Applied Calculus I</td>
<td>5 units</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Calculus with Analytic Geometry I</td>
<td>5 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 38**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

### AS-T Business Administration for Transfer

The Associate in Science Degree in Business Administration for Transfer is accredited by the Accreditation Council of Business Schools and Programs (ACSBP).

This degree is intended for students who are interested in transferring to a California State University (CSU) campus with a major in Business Administration.

The Associate in Science Degree 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 an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

### Program Learning Outcomes

Students completing this program will be able to:

1. Critical Thinking: Apply critical thinking and analytical skills in decision making and problem solving.
3. Business Law: Develop an understanding of the law and the legal environment as it relates to business operations, including its ethical implications.
4. Intro to Business Information Systems: Identify the basics of information technology and apply
software applications to enhance efficiency of business functions.
5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.
6. Economics/Macroeconomics: Demonstrate knowledge of basic economic concepts and how they affect business.

### Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 121</td>
<td>4 units</td>
</tr>
<tr>
<td>ACTG 131</td>
<td>4 units</td>
</tr>
<tr>
<td>ECON 100</td>
<td>3 units</td>
</tr>
<tr>
<td>ECON 102</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 201</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**List A: Select one course from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS. 123</td>
<td>3 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 200</td>
<td>4 units</td>
</tr>
</tbody>
</table>

**List B: Select two courses from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS. 100</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 103</td>
<td>3 units</td>
</tr>
<tr>
<td>MATH 241</td>
<td>5 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 251</td>
<td>5 units</td>
</tr>
<tr>
<td>BUS. 123</td>
<td>3 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 200</td>
<td>4 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 26 - 29**

**General Education** - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 12-14 major course units may be double counted to apply to meet general education requirements.

This degree does **not** require the Skyline Associate Degree Requirements.

*Please refer to Associate Degree for Transfer (ADT) Requirements for more information.*

### CA Business Administration

For gainful employment information, see this program’s gainful employment website.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 121</td>
<td>4 units</td>
</tr>
<tr>
<td>ACTG 131</td>
<td>4 units</td>
</tr>
<tr>
<td>BUS. 103</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 120</td>
<td>3 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 241</td>
<td>5 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 251</td>
<td>5 units</td>
</tr>
<tr>
<td>BUS. 123</td>
<td>3 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 200</td>
<td>4 units</td>
</tr>
<tr>
<td>BUS. 201</td>
<td>3 units</td>
</tr>
<tr>
<td>ECON 100</td>
<td>3 units</td>
</tr>
<tr>
<td>ECON 102</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Plus a minimum of 3 units from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS. 150</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 161</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 180</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 401</td>
<td>3 units</td>
</tr>
<tr>
<td>BCM. 225</td>
<td>1 unit</td>
</tr>
<tr>
<td>BCM. 226</td>
<td>2 units</td>
</tr>
<tr>
<td>PSYC 300</td>
<td>3 units</td>
</tr>
<tr>
<td>COMM 110</td>
<td>3 units</td>
</tr>
</tbody>
</table>
### DEGREES & CERTIFICATES

#### Business Management

For gainful employment information, see this program’s gainful employment website.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 121 Financial Accounting</td>
<td>4 units</td>
</tr>
<tr>
<td>BUS. 100 Introduction to Business</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 101 Human Relations at Work</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 103 Introduction to Business Information Systems</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 180 Principles of Marketing</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 201 Business Law</td>
<td>3 units</td>
</tr>
<tr>
<td>BUS. 401 Business Communications</td>
<td>3 units</td>
</tr>
<tr>
<td>MGMT 100 Introduction to Business Management</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Group A: Select 3 units from the following:**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 131 Managerial Accounting</td>
</tr>
<tr>
<td>ECON 100 Principles of Macro Economics</td>
</tr>
<tr>
<td>ECON 102 Principles of Microeconomics</td>
</tr>
<tr>
<td>BUS. 120 Mathematical Analysis for Business</td>
</tr>
<tr>
<td>BUS. 123 Statistics</td>
</tr>
<tr>
<td>BUS. 161 Creativity and Innovation in Entrepreneurship</td>
</tr>
<tr>
<td>BUS. 166 The Business Plan</td>
</tr>
<tr>
<td>MGMT 101 Introduction to Human Resources Management</td>
</tr>
<tr>
<td>MGMT 153 Managing Culture and Diversity</td>
</tr>
</tbody>
</table>

**Total Required Units: 31**

#### Entrepreneurship and Small Business Management

This program prepares existing or potential entrepreneurs in a wide variety of small business functions. The following key areas are emphasized: Financial Management, Small Business Management, Communication, Marketing and Business Law. Students will prepare a comprehensive business plan with up-to-date approaches to small business management including: financial management, marketing management, business law, and how to profitably operate a small business.

This certificate is intended for business students and nonbusiness majors who have aspirations and goals in business that will require entrepreneurial and small business management skills.

**Program Learning Outcomes**

Students completing this program will be able to:

1. **Critical Thinking:** Develop critical thinking and analytical skills for decision making and problem solving.
2. **Accounting/Financial Accounting:** Apply accounting principles in business decision making.
3. **Business Law:** Understand how the law and the legal environment relate to business operations, including ethical implications.
4. **Introduction to Business Information Systems:** Utilize multimedia and software applications to enhance business decision-making process.
5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.


### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 100</td>
<td>Accounting Procedures</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 100</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 161</td>
<td>Creativity and Innovation in Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 166</td>
<td>The Business Plan</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 180</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 201</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 401</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 100</td>
<td>Introduction to Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Required Units: 24**

### CA Office Assistant

The Office Assistant Certificate prepares students with a range of skills needed to perform the duties of an entry level office support position in today's technological office. Students acquire essential computer application skills, strengthen written and oral communication skills, and refine their ability to build positive human relations needed for today's business office.

**Career Opportunities**

Office Assistants are found in every sector of the economy such as health, real estate, education, insurance and other. Job titles reflect that diversity: Administrative Assistant, Billing Services Assistants, Customer Service Representatives, Shipping and Receiving Clerks, and Membership Coordinators.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Critical Thinking: Apply critical thinking and analytical skills in decision making and problem solving.
2. Software skills: Apply spreadsheet, word processing and online research skills in a variety of office settings.
3. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.

For gainful employment information, see this program's [gainful employment website](#).

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCM. 200</td>
<td>Intro to Computer Applications and Suites</td>
<td>3</td>
</tr>
<tr>
<td>BCM. 214</td>
<td>Word Processing I: Word</td>
<td>1</td>
</tr>
<tr>
<td>BCM. 225</td>
<td>Spreadsheets I: Excel</td>
<td>1</td>
</tr>
<tr>
<td>BUS. 401</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 101</td>
<td>Human Relations at Work</td>
<td>3</td>
</tr>
<tr>
<td>COOP 671</td>
<td>General Cooperative Education</td>
<td>1 - 3</td>
</tr>
</tbody>
</table>

**Total Required Units: 12 - 14**

### CS Entrepreneurship

This program prepares existing or potential entrepreneurs in a wide variety of small business functions. The following key areas are emphasized: Financial Management, Small Business Management, Marketing and Business Law. Students will prepare a comprehensive business plan with up-to-date approaches to small business management including: financial management, marketing management, business law, and how to profitably operate a small business.

This certificate is intended for business students and non-business majors who have aspirations and goals in business that will require entrepreneurial and small business management skills.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Critical Thinking: Develop critical thinking and analytical skills for decision making and problem solving.
3. Business Law: Understand how the law and the legal environment relate to business operations, including ethical implications.
4. Introduction to Business Information Systems: Utilize multimedia and software applications to enhance business decision-making process.
5. Business Communications: Create effective oral and written business communications utilizing modern communication technologies.
DEGREES & CERTIFICATES

For gainful employment information, see this program's gainful employment website.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 100</td>
<td>Accounting Procedures</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 150</td>
<td>Entrepreneurship - Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 100</td>
<td>Introduction to Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS. 101</td>
<td>Human Relations at Work</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 161</td>
<td>Creativity and Innovation in Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 180</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 201</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 670</td>
<td>Vocational Cooperative Education in Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Units: 12

COMMUNICATION STUDIES

AA Associate in Arts Degree Program
Communication Studies

AA-T Associate in Arts Degree for Transfer
Communication Studies for Transfer

Total Required Units: 11

SC Entry-Level Warehousing

For gainful employment information, see this program's gainful employment website.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS. 269</td>
<td>Warehousing and Logistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Required Units: 4

CS Warehousing and Logistics

For gainful employment information, see this program's gainful employment website.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS. 269</td>
<td>Warehousing and Logistics</td>
<td>4</td>
</tr>
<tr>
<td>BUS. 670</td>
<td>Vocational Cooperative Education in Business</td>
<td>3</td>
</tr>
<tr>
<td>BCM. 200</td>
<td>Intro to Computer Applications and Suites</td>
<td>3</td>
</tr>
<tr>
<td>CRER 650</td>
<td>Guidance Seminar Group</td>
<td>1</td>
</tr>
</tbody>
</table>
4. Citizenship: Communicate ethical core values and individual cultural identity in a variety of academic, personal, vocational and civic situations.

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 110 Public Speaking</td>
<td>3 units</td>
</tr>
<tr>
<td>COMM 127 Argumentation and Debate</td>
<td>3 units</td>
</tr>
<tr>
<td>COMM 130 Interpersonal Communication</td>
<td>3 units</td>
</tr>
<tr>
<td>COMM 140 Small Group Communication</td>
<td>3 units</td>
</tr>
<tr>
<td>COMM 150 Intercultural Communication</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Plus a selection of 3 units from the following:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110 Composition, Literature, and Critical Thinking</td>
</tr>
<tr>
<td>ENGL 165 Critical Thinking and Advanced Composition</td>
</tr>
<tr>
<td>PHIL 200 Introduction to Logic</td>
</tr>
</tbody>
</table>

Total Required Major Units: 18
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

**AA-T Communication Studies for Transfer**

<table>
<thead>
<tr>
<th>Required Core Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 110 Public Speaking</td>
<td>3 units</td>
</tr>
</tbody>
</table>

List A: Select two courses from the following:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 127 Argumentation and Debate</td>
</tr>
<tr>
<td>COMM 130 Interpersonal Communication</td>
</tr>
<tr>
<td>COMM 140 Small Group Communication</td>
</tr>
</tbody>
</table>

List B: Select two courses from the following or any LIST A course not already used:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 150 Intercultural Communication</td>
</tr>
<tr>
<td>JOUR 110 Mass Media and Society</td>
</tr>
</tbody>
</table>

List C: Select one course from the following:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 110 Cultural Anthropology</td>
</tr>
<tr>
<td>COMM 160 Gender and Communication</td>
</tr>
<tr>
<td>ENGL 110 Composition, Literature, and Critical Thinking</td>
</tr>
<tr>
<td>ENGL 165 Composition, Argument and Critical Thinking</td>
</tr>
<tr>
<td>JOUR 120 Writing and Reporting for the Media</td>
</tr>
<tr>
<td>PSYC 100 General Psychology</td>
</tr>
<tr>
<td>SOCI 100 Introduction to Sociology</td>
</tr>
</tbody>
</table>

All COMM courses in LIST A & B, not already used, can satisfy LIST C requirement.

Total Required Major Units: 18

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Up to 9 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline College Associate Degree requirements.

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.
COMPUTER SCIENCE

AS-T Associate in Science Degree for Transfer
Computer Science for Transfer................................. 60 units

AS-T Computer Science for Transfer

The Computer Science program prepares Skyline College graduates for transfer to a 4-yr institution to complete their Bachelor's degree in computer science or software engineering.

Career Opportunities
Career opportunities exist in numerous businesses and industries. Typical entry-level positions include quality assurance and systems testing, and frequently involve working on project teams.

Program Learning Outcomes
Students completing this program will be able to:
1. Apply knowledge of math, science, and computer science and engineering to identify, formulate, and solve computer science problems.
2. Collaborate, communicate effectively, and work well in situations that require teamwork.
3. Develop a software and/or hardware design or system given a set of requirements, specifications and constraints.

Complete Core Courses, 30 units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 250</td>
<td>Introduction to Object-Oriented Programming: C++</td>
<td>3</td>
</tr>
<tr>
<td>COMP 252</td>
<td>Data Structures: C++</td>
<td>3</td>
</tr>
<tr>
<td>COMP 256</td>
<td>Computer Architecture and Assembly Language</td>
<td>3</td>
</tr>
<tr>
<td>COMP 262</td>
<td>Discrete Mathematics for Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 252</td>
<td>Calculus with Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 250</td>
<td>Physics with Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 260</td>
<td>Physics with Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Required Major Units: 30

General Education - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth), OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 7 major course units may be double counted to apply to meet IGETC general education requirements. This degree does not require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

COSMETOLOGY

AS Associate in Science Degree Program
Cosmetology...................................................... 60 units

CA Certificate of Achievement
Cosmetology...................................................... 45 units
Esthetician...................................................... 24 units

SC Skills Certificate
Cosmetology Entrepreneurship.............................. 5.5 units

AS Cosmetology

Prepares students for licensing as a Cosmetologist. The Cosmetology program requires 1,600 hours of comprehensive training in beauty services.

Courses in the Cosmetology program focus on theoretical foundation, practical manipulative skills, business knowledge, career development in the field, and professional and ethical training needed for licensing through the State Board of Barbering and Cosmetology. Prepared with excellent entry-level skills, students are able to work in many facets of the beauty industry.

Skyline College's Cosmetology Program is approved by the California Board of Barbering and Cosmetology

ADMISSIONS PROCEDURES AND REQUIREMENTS
The Associate in Science degree with a major in Cosmetology program requires the completion of a special application packet to be considered for admission.
Admission applications are not considered for acceptance until all documents have been completed and received by the Office of Admissions and Records. For further information on the Cosmetology Program please visit the Cosmetology program website.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Complete 1600 hours in the Cosmetology Program.
2. Successfully pass the California State Board Cosmetology or Esthetician written and practical exam.
3. Identify career and continuing educational options in the fields of Cosmetology and Esthetics, and plan actions towards achieving those goals and objectives.
4. Apply theories, principles, and concepts to address skills learned that would apply to Cosmetology and Esthetics.
5. Recognize the importance of and practice ethical behavior in a professional work setting, both within the work force and within the community.
6. Critically consider, analyze, and research special issues in Cosmetology and their effects on society.

### Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSM 701</td>
<td>Cosmetology Core Concepts</td>
<td>6 units</td>
</tr>
<tr>
<td>COSM 702</td>
<td>Cosmetology Hair Design Concepts</td>
<td>6 units</td>
</tr>
<tr>
<td>COSM 703</td>
<td>Cosmetology Chemical Concepts</td>
<td>3 units</td>
</tr>
<tr>
<td>COSM 704</td>
<td>Cosmetology Intermediate Concepts</td>
<td>6 units</td>
</tr>
<tr>
<td>COSM 705</td>
<td>Cosmetology Business and Salon Experience</td>
<td>9 units</td>
</tr>
<tr>
<td>COSM 706</td>
<td>Cosmetology Advanced Concepts</td>
<td>6 units</td>
</tr>
<tr>
<td>COSM 707</td>
<td>Cosmetology Salon and Licensure Prep</td>
<td>6 units</td>
</tr>
</tbody>
</table>

Select a minimum of one course from the following: (3 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSM 717</td>
<td>Advanced Makeup</td>
<td>3 units</td>
</tr>
<tr>
<td>COSM 737</td>
<td>Advanced Natural Haircare and Braiding</td>
<td>3 units</td>
</tr>
<tr>
<td>COSM 767</td>
<td>Eyelash Enhancements</td>
<td>1.5 units</td>
</tr>
<tr>
<td>BUS. 150</td>
<td>Entrepreneurship - Small Business Management</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 45**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

### CA Cosmetology

This program prepares students for licensing as a Cosmetologist. The Cosmetology program requires 1,600 hours of comprehensive training in all facets of the cosmetology industry. Courses focus on theoretical foundation, practical manipulative skills, business knowledge, career development in the field, and the professional and ethical training needed for licensing through the State Board of Barbering and Cosmetology. Prepared with excellent entry-level and some advanced skills, students are able to work in many facets of the beauty industry.

Skyline College's Cosmetology Program is approved by: California Board of Barbering and Cosmetology

ADMISSIONS PROCEDURES AND REQUIREMENTS: The Cosmetology Certificate of Achievement requires the completion of a special application packet to be considered for admission. Admission applications are not considered for acceptance until all documents have been completed and received by the Office of Admissions and Records. For further information on the Cosmetology Program please visit the Cosmetology program website.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Complete 1600 hours in the Cosmetology Program and 600 hours in the Esthetician Program.
2. Successfully pass the California State Board Cosmetology or Esthetician written and practical exam.
3. Identify career and continuing educational options in the field of Cosmetology and Esthetics, and plan actions towards achieving those goals and objectives.
4. Apply theories, principles, and concepts to address skills learned that would apply to Cosmetology and Esthetics.
5. Critically consider, analyze and research special issues in Cosmetology and their effects on society.
6. Recognize the importance of and practice ethical behavior in a professional work setting, both within the work force and within the community.

For gainful employment information, see this program's gainful employment website.

### Required Courses

<table>
<thead>
<tr>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>COSM 701</td>
<td>Cosmetology Core Concepts</td>
<td>6 units</td>
</tr>
</tbody>
</table>
DEGREES & CERTIFICATES

COSM 702  Cosmetology Hair Design Concepts  6 units
COSM 703  Cosmetology Chemical Concepts  3 units
COSM 704  Cosmetology Intermediate Concepts  6 units
COSM 705  Cosmetology Business and Salon Experience  9 units
COSM 706  Cosmetology Advanced Concepts  6 units
COSM 707  Cosmetology Salon and Licensure Prep  6 units

Select a minimum of one course from the following (3 units)  Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSM 717</td>
<td>Advanced Makeup</td>
<td>3</td>
</tr>
<tr>
<td>COSM 737</td>
<td>Advanced Natural Haircare and Braiding</td>
<td>3</td>
</tr>
<tr>
<td>COSM 767</td>
<td>Eyelash Enhancements</td>
<td>1.5</td>
</tr>
<tr>
<td>BUS. 150</td>
<td>Entrepreneurship - Small Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Units: 45

CA  Esthetician

This program prepares students for licensing as an Esthetician. The Esthetics program requires 600 hours of comprehensive training in all facets of the esthetics industry. Courses focus on theoretical foundation, practical manipulative skills, business knowledge, career development in the field, and the professional and ethical training needed for licensing through the State Board of Barbering and Cosmetology. Prepared with excellent entry-level and some advanced skills, students are able to work in many facets of the beauty industry.

Skyline College's Esthetics Program is approved by: California Board of Barbering and Cosmetology

ADMISSIONS PROCEDURES AND REQUIREMENTS:
The Esthetics Certificate of Achievement requires the completion of a special application packet to be considered for admission. Admission applications are not considered for acceptance until all documents have been completed and received by the Office of Admissions and Records. For further information on the Cosmetology Program please visit the Cosmetology program website.

Program Learning Outcomes

Students completing this program will be able to:

1. Complete 600 hours in the Esthetician Program.
2. Successfully pass the California State Board Esthetician written and practical exam.
3. Identify career and continuing educational options in the fields of Cosmetology and Esthetics, and plan actions towards achieving those goals and objectives.
4. Apply theories, principles, and concepts to address skills learned that would apply to esthetics.
5. Critically consider, analyze and research special issues in Esthetics and their effects on society.
6. Recognize the importance of and practice ethical behavior in a professional work setting, both within the work force and within the community.

For gainful employment information, see this program's gainful employment website.

Courses required for the Esthetician Certificate:  Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSM 775</td>
<td>Esthetician I</td>
<td>12</td>
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<tr>
<td>COSM 776</td>
<td>Esthetician II</td>
<td>12</td>
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</table>

Total Required Units: 24

NOTE: Additional hours to meet the 600-hour state minimum may be earned by enrolling in BUS. 150 (Entrepreneurship - Small Business Management) and/or COSM 717 (Advanced Makeup) and/or COSM 747 (Advanced Skin Care and Hair Removal) and/or COSM 767 (Eyelash Enhancements).

SC  Cosmetology Entrepreneurship

Required Courses  Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 144</td>
<td>QuickBooks: Set-Up and Service Business</td>
<td>1.5</td>
</tr>
<tr>
<td>BUS. 150</td>
<td>Entrepreneurship - Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>COSM 670</td>
<td>Vocational Cooperative Education in Cosmetology</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

Total Required Units: 5.5
AA Associate in Arts Degree Program
Dance................................................................. 60 units

AA Dance

An Associate in Arts degree in Dance from Skyline College provides students with the foundation and skills needed to enter the dance profession or transfer to a dance program at a four-year university. Students improve their level of physical dance technique, performance and expression. Dance majors participate in dance performances every semester which include opportunities for students to choreograph and perform their work. Coursework includes practice and history in multiple dance styles, including ballet, contemporary modern, jazz, hip hop and musical theater.

In order to succeed in the field of Dance, students should be committed to full physical participation in regular technique classes, passionate about expressing themselves and their ideas through movement and performance, in addition to learning about other people and cultural traditions.

Studying dance prepares students to pursue a variety of careers in the arts and education, including dance instruction, critical work, choreography, and professional dance and performance. Individuals educated in dance can work in places like schools, theaters, recreation centers, fitness centers, dance and movie studios and more. Students who wish to teach dance will likely transfer to a four-year institution to gain a teaching certificate, BA, MA, MFA, or PhD in Dance, Theater Arts and Performance Studies, and/or Choreography.

Career Opportunities
Studying dance prepares students to pursue a variety of careers in the arts and education, including dance instruction, critical work, choreography, and professional dance and performance. Individuals educated in dance can work in places like schools, theaters, recreation centers, fitness centers, dance and movie studios and more. Students who wish to teach dance will likely transfer to a four-year institution to gain a teaching certificate, BA, MA, MFA, or PhD.

Program Learning Outcomes
Students completing this program will be able to:

1. Provide a more authentic and individualized interpretation of a given dance form through a demonstration of appropriate levels of technique that incorporate cultural elements* of this dance form (*e.g., costume, history, vocabulary, rhythm and music)
2. Create and develop unique movement sequences, and collaboratively organize that material into a dance
3. Critically evaluate and objectively discuss dance as a performance art

Required Core Courses: (12 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANC 100</td>
<td>Dance Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DANC 102</td>
<td>A Survey of Jazz Dance from Streets to Stage</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUS. 100</td>
<td>Fundamentals of Music</td>
<td>3</td>
</tr>
<tr>
<td>DANC 121.1</td>
<td>Contemporary Modern Dance I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 140.1</td>
<td>Ballet I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 140.2</td>
<td>Ballet II</td>
<td>1</td>
</tr>
<tr>
<td>DANC 400.1</td>
<td>Dance Performance and Production I</td>
<td>2</td>
</tr>
<tr>
<td>FITN 335.1</td>
<td>Pilates I</td>
<td>1</td>
</tr>
<tr>
<td>DANC 130.1</td>
<td>Jazz Dance I: Lyrical, Pop &amp; Broadway</td>
<td>1</td>
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<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DANC 121.2</td>
<td>Contemporary Modern Dance II</td>
<td>1</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DANC 121.3</td>
<td>Contemporary Modern Dance III</td>
<td>1</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DANC 130.2</td>
<td>Jazz Dance II – Lyrical, Pop and Broadway</td>
<td>1</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DANC 130.3</td>
<td>Jazz Dance III – Lyrical, Pop and Broadway</td>
<td>1</td>
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</table>

Plus a selection of 6 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>DANC 100</td>
<td>Dance Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>DANC 102</td>
<td>A Survey of Jazz Dance from Streets to Stage</td>
<td>3 units</td>
</tr>
<tr>
<td>DANC 117.1</td>
<td>Tap Dance I</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 117.2</td>
<td>Tap Dance II</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 121.2</td>
<td>Contemporary Modern Dance II</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 121.3</td>
<td>Contemporary Modern Dance III</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 121.4</td>
<td>Contemporary Modern Dance IV</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 130.2</td>
<td>Jazz Dance II – Lyrical, Pop and Broadway</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 130.3</td>
<td>Jazz Dance III – Lyrical, Pop and Broadway</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 130.4</td>
<td>Jazz Dance IV – Lyrical, Pop and Broadway</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 140.3</td>
<td>Ballet III</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 140.4</td>
<td>Ballet IV</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 150.1</td>
<td>Hip Hop I</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 150.2</td>
<td>Hip Hop II</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 151.1</td>
<td>Social Dance I</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 151.2</td>
<td>Social Dance II</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 151.3</td>
<td>Social Dance III</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 151.4</td>
<td>Social Dance IV</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 152.1</td>
<td>Cuban Salsa I</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 152.2</td>
<td>Cuban Salsa II</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 152.3</td>
<td>Cuban Salsa III</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 152.4</td>
<td>Cuban Salsa IV</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 161</td>
<td>Tango Argentino</td>
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</tr>
<tr>
<td>DANC 162</td>
<td>Tango Milonga</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 163</td>
<td>Tango Buenos Aires</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 164</td>
<td>Tango De La Confiteria</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 330.1</td>
<td>Creative Dance I</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 330.2</td>
<td>Creative Dance II</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 330.3</td>
<td>Creative Dance III</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 330.4</td>
<td>Creative Dance IV</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 350.1</td>
<td>Cardio Dance I</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 350.2</td>
<td>Cardio Dance II</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 350.3</td>
<td>Cardio Dance III</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 350.4</td>
<td>Cardio Dance IV</td>
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<tr>
<td>DANC 391</td>
<td>Dance Composition - Theory and Choreography</td>
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<td>DANC 395.1</td>
<td>Dance Workshop I</td>
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<td>DANC 395.2</td>
<td>Dance Workshop II</td>
<td>0.5 - 1</td>
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<tr>
<td>DANC 395.3</td>
<td>Dance Workshop III</td>
<td>0.5 - 1</td>
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<td>DANC 395.4</td>
<td>Dance Workshop IV</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>DANC 400.2</td>
<td>Dance Performance and Production II</td>
<td>0.5 - 2</td>
</tr>
<tr>
<td>DANC 400.3</td>
<td>Dance Performance and Production III</td>
<td>0.5 - 2</td>
</tr>
<tr>
<td>DANC 400.4</td>
<td>Dance Performance and Production IV</td>
<td>0.5 - 2</td>
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<tr>
<td>DANC 410.1</td>
<td>Dance for the Musical Theater Production I</td>
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<tr>
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<td>2 units</td>
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<tr>
<td>DANC 410.3</td>
<td>Dance for the Musical Theater Production III</td>
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<tr>
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<tr>
<td>DANC 665</td>
<td>Selected Topics: Dance in Cultural Context</td>
<td>1 - 3 units</td>
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<td>Units</td>
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<tr>
<td>-------------</td>
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<tr>
<td>DRAM 200</td>
<td>Theory of Acting I</td>
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<tr>
<td>DRAM 201</td>
<td>Advanced Acting I</td>
<td>3</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRAM 202</td>
<td>Advanced Acting II</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
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<tr>
<td>DRAM 208</td>
<td>Acting Practicum I (Acting Laboratory)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>DRAM 209</td>
<td>Acting Practicum II (Acting Laboratory)</td>
<td>2</td>
</tr>
<tr>
<td>KINE 305</td>
<td>Health-Related Fitness and Wellness</td>
<td>3</td>
</tr>
<tr>
<td>KINE 100</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>MUS. 100</td>
<td>Fundamentals of Music</td>
<td>3</td>
</tr>
</tbody>
</table>

* Each unit of DANC 665 used toward the degree must be a different topic (e.g. Salsa, Flamenco, Afro/Brazilian).

**Total Required Major Units: 18**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

**DIGITAL FILMMAKING**

**Certificate of Specialization: Not Transcript Reported**

Basic Digital Filmmaking .......................................................... 12 units

**Basic Digital Filmmaking**

The Digital Media and Design Program (DMAD) at Skyline College concentrates on digital imaging and digital filmmaking. The digital imaging courses are centered around production skills such as image selection, image editing, retouching, compositing, and file preparation for print and screen. The digital filmmaking courses are focused on production. Students will learn about the three phases of filmmaking (pre-production, production, and post-production) as well as camera operation, composition, screenwriting, directing, crew positions, editing, data wrangling, and audio recording and mixing. Career management and guidance are also explored. The 12-unit Certificate of Specialization in Basic Digital Filmmaking provides foundational knowledge and skills in digital filmmaking production.

**Career Opportunities**

The Digital Media and Design Program (DMAD) works with industry professionals to ensure students are learning the latest production skills for an entry level position in their chosen field. Image editing careers include photo retouching, TV broadcast graphics, web graphics, mobile graphics, film graphics, and print production. Digital filmmaking careers include camera operation, editing, audio recording and mixing, cinematography, directing, screenwriting, and production management.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Apply a set of production skills and experiences to prepare them for an entry level position in the digital media industry.
2. Apply a basic set of production skills and experiences to allow them to create their own digital media content.
3. Apply a set of basic production skills and experiences to allow them to effectively work under the direction of other professionals.

**Required Core Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMAD 475</td>
<td>Digital Filmmaking I</td>
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</tr>
<tr>
<td>DMAD 476</td>
<td>Digital Filmmaking II</td>
<td>3</td>
</tr>
<tr>
<td>DMAD 477</td>
<td>Digital Filmmaking III</td>
<td>3</td>
</tr>
<tr>
<td>DMAD 478</td>
<td>Audio for Digital Filmmaking</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Required Units: 12**

**ECONOMICS**

**Associate in Arts Degree for Transfer**

Economics for Transfer ......................................................... 60 units
# AA-T Economics for Transfer

The Associate in Arts Degree in Economics for Transfer is intended for students interested in transferring to a California State University (CSU) campus with a major in Economics. The degree seeks to expose students to the core principles and concepts in the field of Economics and provides students with an understanding and appreciation of the institutions, government policies, and international factors that impact the U.S. economy. It provides students with the lower division foundations in economics and mathematics necessary to major in economics at a CSU.

An Associate in Arts in Economics for Transfer (AA-T) from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in Economics or a closely related discipline. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

The Associate in Arts Degree in Economics for Transfer requires the completion of the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   1. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education "Breadth Requirements.
   2. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
   2. (2) Obtainment of a minimum grade point average of 2.0.

Students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

## Career Opportunities

A bachelor's degree in economics can lead to jobs in business such as management, finance, marketing, consulting, investment banking, and business analyst. There are also government jobs seeking economists at the Federal, state, and local levels. An economics degree can also lead to graduate school in economics as well as professional schools in business and law. International institutions (UN, IMF, World Bank) and nonprofit agencies are also looking for economists.

### Program Learning Outcomes

Students completing this program will be able to:

1. Measure and interpret the causes and consequences of business cycle fluctuations and formulate appropriate government policies to stabilize the economy.
2. Compare and contrast the characteristics and outcomes of perfectly and imperfectly competitive markets and formulate appropriate government policies to address imperfect competition and market failures.
3. Interpret current economic events and policy in terms of business cycle fluctuations and imperfect competition, and from alternative economic perspectives.

#### Required Core Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 100</td>
<td>Principles of Macro Economics</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Elementary Probability &amp; Statistics</td>
</tr>
<tr>
<td>MATH 241</td>
<td>Applied Calculus I</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
</tbody>
</table>

#### List A: Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTG 121</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>ACTG 131</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>BUS. 103</td>
<td>Introduction to Business Information Systems</td>
</tr>
<tr>
<td>BUS. 401</td>
<td>Business Communications</td>
</tr>
<tr>
<td>MATH 252</td>
<td>Calculus with Analytic Geometry II</td>
</tr>
</tbody>
</table>

#### List B: Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 253</td>
<td>Calculus with Analytic Geometry III</td>
</tr>
<tr>
<td>MATH 270</td>
<td>Linear Algebra</td>
</tr>
</tbody>
</table>

Any course from List A not already used.

### Total Required Major Units: 21 - 25
General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Up to 9 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree Requirements.

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

EDUCATION/CHILD DEVELOPMENT

AA-T Associate in Arts Degree for Transfer
Elementary Teacher Education for Transfer .................. 60 units

AS Associate in Science Degree Program
Early Childhood Education.................................. 60 units

AS-T Associate in Science Degree for Transfer
Early Childhood Education.................................. 60 units

CA Certificate of Achievement
Early Childhood Education.................................. 24 units
Early Childhood Special Education.......................... 24 units

CC Career Certificate
Early Childhood Education Entrepreneurship.......... 10 units
Foundations in Early Childhood Education.............. 10 units
Fundamentals In Early Childhood Education.......... 7 units

AA-T Elementary Teacher Education for Transfer

The Associate in Arts in Elementary Teacher Education for Transfer is intended for students who plan to complete a baccalaureate degree in a similar major at a California State University (CSU) campus. The Associate in Arts in Elementary Teacher Education for Transfer acknowledges that the student has established a foundation of interdisciplinary knowledge in the field of Education.

Students completing an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of “C” or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Career Opportunities

Elementary TeacherSpecial EducatorPara-educator

Required Core Courses (42 units) Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 101</td>
<td>Our Biological World</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 110</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 114</td>
<td>Survey of Chemistry and Physics OR</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 114</td>
<td>Survey of Chemistry and Physics OR</td>
<td>4</td>
</tr>
<tr>
<td>COMM 110</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>ECE. 201</td>
<td>Child Development OR</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Child Development OR</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 200</td>
<td>Introduction to Classroom Teaching</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 100</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>Composition, Literature, and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 150</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 210</td>
<td>General Geology</td>
<td>4</td>
</tr>
<tr>
<td>HIST 104</td>
<td>World Civilizations I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 201</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Mathematics for Elementary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 210</td>
<td>American Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

List A (select one): Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 165</td>
<td>Composition, Argument and Critical Thinking</td>
<td>3</td>
</tr>
</tbody>
</table>
**List B (select one)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 130</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS. 202</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 48**

**General Education** - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to 36 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

---

**AS Early Childhood Education**

The Early Childhood Education program is designed to meet the needs of individuals planning a career working with preschool aged children and/or are currently working with preschool aged children. The child from birth to school age is the primary focus. Current research and practical applications are combined in order to assist students in planning their most effective role with children. Children's growth, developmentally appropriate practice, cultural diversity, family support and professional development within the ECE field are major components of the program in order to meet the varied needs of ECE students, courses are offered mornings, afternoons, evenings and weekends. The program makes every effort to schedule classes to meet the diversity of students' needs and to encourage students to plan ahead in order to complete specific program requirements.

An Associate degree with 24 ECE units and at least 16 general education units qualifies a student for a Teacher Permit issued by the Commission on Teacher Credentialing. This permit is required of all teachers working in child care and development programs operating under Title 5, (state-funded programs). A grade of C or better is required in all of the courses used to satisfy the requirements for the major. A minimum of 50% of the ECE units must be taken at Skyline College in order to receive the AS degree with a major in ECE from Skyline.

**AREAS OF SPECIALIZATION WITHIN THE EARLY CHILDHOOD EDUCATION PROGRAM**

In accordance with the guidelines established by the state's Child Development Permit for the Master Teacher tier, applicants must complete a specialization of six (6) semester units in a specific area. A specialization can also be useful to students when seeking work advancement.

- **Infant/Toddler Care**
  - ECE. 223 Infant/Toddler Development
  - ECE. 225 Infant/Toddler Environments

- **School-Age Child Care**
  - ECE. 213 The School-Age Child
  - ECE. 335 Child Guidance

- **Children with Special Needs**
  - ECE. 260 Children with Special Needs
  - ECE. 261 Early Intervention Practices

- **Children's Language and Literacy**
  - ECE./LIT. 191 Children's Literature
  - ECE. 275 Children's Language and Literacy Development

- **Parent/Family Relationships**
  - ECE. 214/FCS 213 Child-Parent Relations
  - ECE. 264 The Life Cycle of the Family

- **Family Support**
  - ECE. 262 Introduction to Family Support: Building Respectful Partnerships
  - ECE. 264 The Life Cycle of the Family

**Program Learning Outcomes**

Students completing this program will be able to:

1. Analyze major developmental milestones and various theoretical frameworks that relate to early care and education to demonstrate an understanding of the importance of the early years as well as the many influences on development.
2. Identify best teaching and care practices and the components of early childhood settings, curriculum, and teaching strategies to increase child growth and competence.
3. Assess the interrelationship of child, family, and community and how educational, political, socioeconomic factors directly impact the lives of children and families.

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE. 201</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>OR PSYC 201</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE. 210</td>
<td>Early Childhood Education Principles</td>
<td>3</td>
</tr>
</tbody>
</table>
ECE. 211  Early Childhood Education Curriculum  3 units
ECE. 212  Child, Family & Community  3 units
ECE. 272  Teaching in a Diverse Society  3 units
ECE. 314  Health, Safety, and Nutrition for Young Children  3 units
OR
HSCI 314  Health, Safety and Nutrition for Young Children  3 units
ECE. 333  Observation and Assessment  3 units
ECE. 366  Practicum in Early Childhood Education  3 units

Total Required Major Units: 24
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

**AS-T Early Childhood Education for Transfer**

The Skyline College Associate in Science Degree in Early Childhood Education for Transfer is designed to facilitate successful transfer to baccalaureate early childhood education/child development programs at a CSU. This degree provides students with the lower division breadth and depth of the field of early childhood education. 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. The Associate in Science in Early Childhood Education for Transfer degree acknowledges that the student has established a foundation of knowledge in the field of Early Childhood Education. Students completing an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular campus, university, or college that is not part of the CSU system.

Note: Students should consult a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of “C” or better is required for each course applied to the major.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE. 201  Child Development</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 210  Early Childhood Education Principles</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 211  Early Childhood Education Curriculum</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 212  Child, Family &amp; Community</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 272  Teaching in a Diverse Society</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 314  Health, Safety, and Nutrition for Young Children</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 333  Observation and Assessment</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 366  Practicum in Early Childhood Education</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Plus CSU General Education or IGETC for CSU requirements. Up to a total of 6 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree Requirements. Plus additional CSU transferable elective course as needed to reach a total of 60 units.

Total Required Major Units: 24

**General Education** - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 6 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

**CA Early Childhood Education**

For gainful employment information, see this program's gainful employment website.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE. 201  Child Development</td>
<td>3 units</td>
</tr>
</tbody>
</table>
| OR                     | }
### DEGREES & CERTIFICATES

#### PSYC 201
Child Development 3 units

#### ECE. 210
Early Childhood Education Principles 3 units

#### ECE. 211
Early Childhood Education Curriculum 3 units

#### ECE. 212
Child, Family & Community 3 units

#### ECE. 272
Teaching in a Diverse Society 3 units

#### ECE. 314
Health, Safety, and Nutrition for Young Children 3 units

#### HSCI 314
Health, Safety and Nutrition for Young Children 3 units

#### ECE. 333
Observation and Assessment 3 units

#### ECE. 366
Practicum in Early Childhood Education 3 units

**Total Required Units: 24**

### CA Early Childhood Special Education

For gainful employment information, see this program's [gainful employment website](#).

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE. 201 Child Development</td>
<td>3 units</td>
</tr>
<tr>
<td>OR PSYC 201 Child Development</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 210 Early Childhood Education Principles</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 211 Early Childhood Education Curriculum</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 212 Child, Family &amp; Community</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 260 Children with Special Needs</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 263 Curriculum and Strategies for Children with Special Needs</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 333 Observation and Assessment</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 367 Practicum in Early Childhood Education: Special Topics</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Note:** Minimum C grade required in all courses applied to the major.

**Total Required Units: 24**

### CC Early Childhood Education Entrepreneurship

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE. 201 Child Development</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 240 ECE Administration I: Business/Legal</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 670 Cooperative Education</td>
<td>1 unit</td>
</tr>
<tr>
<td>BUS. 150 Entrepreneurship - Small Business Management</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Total Required Units: 10**

### CC Foundations in Early Childhood Education

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE. 201 Child Development</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 210 Early Childhood Education Principles</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 212 Child, Family &amp; Community</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 670 Cooperative Education</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

**Total Required Units: 10**

### CC Fundamentals In Early Childhood Education

This one-semester certificate will allow students to explore the Early Childhood profession by completing 7 units in ECE that will introduce students to the profession (history, theoretical foundations, types of programs, quality indicators and curriculum), to principles of child development, and to the role and responsibilities of an educator. Students choosing to continue in ECE will be given a recommended student education plan for the following semester.

**Career Opportunities**

Assistant teacher California state level permit to work in early childhood settings.
Program Learning Outcomes
Students completing this program will be able to:
1. Analyze milestones in young children's learning and development.
2. Examine theoretical frameworks and curriculum models in the Early Childhood profession.
3. Evaluate the roles and responsibilities of the Early Childhood educator.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE. 201</td>
<td>Child Development</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 210</td>
<td>Early Childhood Education Principles</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 331</td>
<td>The Role of the Teacher</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

Total Required Units: 7

EMERGENCY MEDICAL TECHNOLOGY

CC Career Certificate
Emergency Medical Technology........................................ 8 units

CC Emergency Medical Technology

This program represents the first phase of training in the Emergency Medical Technician career structure. The course covers all techniques of emergency equipment and supplies considered within the responsibilities of the EMT-I. In addition to didactic and skills training on campus, the course includes observation in a local hospital Emergency Room and a ride-along rotation with a local ambulance company.

To receive a certificate students must achieve a minimum grade of C in the course and satisfactory completion of the clinical component and required skills testing.

Students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, and a social security referenced background check.

Certification Eligibility Requirements: Successful completion of a state-approved Emergency Medical Technician (EMT) course that meets or exceeds the National Emergency Medical Services Education Standards for Emergency Medical Technician. Current CPR credential for health care providers and have demonstrated competence in Emergency Medical Technician (EMT) skills. Successful completion of a state-approved Emergency Medical Technician (EMT) psychomotor exam. For more information, visit http://www.nremt.org/.

Skyline College's Emergency Medical Technician Program is accredited by:
San Mateo County Emergency Medical Services Agencies
225 37th Avenue
San Mateo, CA 94403
Telephone: (650) 573-2564

Program Learning Outcomes
Students completing this program will be able to:
1. Demonstrate competency in the cognitive, psychomotor, and affective domains when providing emergency medical care.
2. Pass their final written exam, which is comprehensive.
3. Pass their National Registry written exam, which is administered off-site.

Required Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMC. 410</td>
<td>Emergency Medical Technician</td>
<td>8 units</td>
</tr>
</tbody>
</table>

Total Required Units: 8

ENERGY SYSTEMS TECHNOLOGY MANAGEMENT

SC Skills Certificate
Climate Protection Professional................................. 8 units
Solar Design, Estimation, Finance, and Sales.............. 6 units

SC Climate Protection Professional

The Career Certificate in Climate Protection Professional provides a leadership and management-oriented certificate
DEGREES & CERTIFICATES

for emerging professionals who work on greenhouse gas emissions (GHG) reduction and climate adaptation projects. The program is a 10-unit certificate that provides content training in climate change science, current climate protection, policies in California, analytic tools, project management, workplace effectiveness, communication, and fundraising.

Career Opportunities

Project manager; Program manager; Sustainability manager or coordinator; Sustainability analyst.

Program Learning Outcomes

Students completing this program will be able to:

1. Produce a finished, or in progress, portfolio presentation, or a professional report, based on a project developed in partnership with a host project site (client), that includes technical and qualitative analysis (context, history, inventories, plans, assessments).
2. Conduct a cost-benefit financial analysis of a climate change initiative, including project funding sources related to client or case study scenario, resourcing grants, contracts, tax credits, utility rebates, or other sources.
3. Design a project work plan, and track workflow progress and financial controls of project activities, tasks, and funding.
4. Conduct a job search, including identifying career and employment resources, writing a resume, cover letter, and performing a successful interview.
5. Produce a final portfolio report or presentation based on client site project analysis, findings, and recommendations.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVS 491</td>
<td>Climate Protection Professional I</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 492</td>
<td>Climate Protection Professional II</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 670</td>
<td>Vocational Cooperative Education in Environmental Science &amp; Technology</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Required Units: 8

SC Solar Design, Estimation, Finance, and Sales

The Skills Certificate in Solar Design, Estimation, Finance, and Sales prepares students for technical operations and customer-facing jobs, and provides introductory training for workers looking to transition within the trades or from related fields. The program focuses on residential photovoltaics (PV) applications, but offers preparatory material relevant to thermal and commercial applications. The certificate stacks into the longer Certificates of Achievement and Associate degree programs in the ESTM department. The program includes preparatory material relevant to credentials from the North American Board of Certified Energy Practitioners (NABCEP).

Career Opportunities

Designer 1 and 2, cost estimator and rebate processors, technical sales representatives, front-line sales representatives.

Program Learning Outcomes

Students completing this program will be able to:

1. Develop a portfolio project proposal based on current marketing and sales techniques, practices, strategies, and technology applied to the residential photovoltaics (PV) industry.
2. Design residential solar systems and perform basic cost estimation and sales based on utility costs and rebate and tax incentives.

Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESTM 411</td>
<td>Introduction to Solar Photovoltaics (PV) Systems and Markets</td>
<td>2</td>
</tr>
<tr>
<td>ESTM 412</td>
<td>Solar Photovoltaics (PV) Design Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>ESTM 413</td>
<td>Solar Photovoltaics (PV) Finance and Sales</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Required Units: 6

ENGINEERING

AS Associate in Science Degree Program

Electrical Engineering .......................................................... 60 units
AS Electrical Engineering

The Electrical Engineering Associates of Science degree program prepares students for transfer to a four-year institution to complete their baccalaureate degree in engineering and opens the door for entry-level internships in engineering. Special emphasis is given to developing skills in critical thinking, communication, teamwork, and entry-level skills in electronics design and embedded systems software development.

Career Opportunities

Engineering is one of the highest paid professions in the country. Electrical Engineering graduates work in a variety of specialized fields including analog and digital electronics, electrical power systems, power electronics, electromechanical systems, computer architecture, digital signal processing, software and firmware development, embedded systems, robotics and mechatronics, and wireless communications. Typical entry-level positions include quality assurance and systems testing, and frequently involve working on project teams.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply knowledge of math, science, and engineering to identify, formulate, and solve engineering problems.
2. Collaborate, communicate effectively, and work well in situations that require teamwork and leadership.
3. Design and perform tests or experiments, analyze and interpret data including the use of statistical error analysis, and prepare technical reports summarizing the results of the tests or experiments.
4. Develop an electrical or electronic hardware design or embedded system given a set of requirements, specifications, and constraints.
5. Use techniques, skills, and modern engineering and computer tools necessary for electrical engineering practice including computer aided drafting (CAD) software, circuit simulation software, modern electronics test equipment, circuit prototyping and repair tools, design and manufacture of printed circuit boards, and embedded programming development tools and devices.

Complete Core Courses, 29 units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 100</td>
<td>Introduction to Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
</tbody>
</table>

Complete Electrical Engineering Courses, 13 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 210</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>ENGR 260</td>
<td>Circuits and Devices</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 261</td>
<td>Circuits and Devices Laboratory</td>
<td>1 unit</td>
</tr>
<tr>
<td>COMP 250</td>
<td>Introduction to Object-Oriented Programming: C++</td>
<td>3 units</td>
</tr>
<tr>
<td>COMP 251</td>
<td>Introduction to Microcontrollers with C/C++</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

Total Required Major Units: 42

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

Skyline College offers lower division coursework required for transfer in Engineering. Students should use PROJECT ASSIST (www.assist.org) to research lower division major requirements at the transfer destination(s) of their choice. Also, work with a Counselor/Advisor to determine appropriate transfer coursework.

Please refer to the AA/AS Degree Requirements for more information.

ENGLISH

AA Associate in Arts Degree Program

English................................................................. 60 units

AA-T Associate in Arts Degree for Transfer

English for Transfer.............................................. 60 units
DEGREES & CERTIFICATES

The Associate in Arts in English provides community college students practice in writing mechanics and text analysis in order to pursue the many professions that demand strong reading and writing skills. In addition to our core courses, ranging from developmental to transfer level, literature courses deepen student understanding of literary traditions and their relevant contexts, by exploring the motivations and creative processes of a variety of English-language writers. The diverse themes presented in English and Literature courses examine the economic, political, social justice issues affecting our nation and the world, and explore the contributions of groups traditionally marginalized by society. Completion of this curriculum will demonstrate commitment to the serious study of English and Literature in practice and in theory and will provide comprehensive preparation for upper-division work.

Career Opportunities
An Associate degree in English can lead to exciting careers in web development, print and online publishing, paralegal and law, marketing, academia, business, psychology and social work. At any level of study, English majors gain writing, critical thinking, and soft skills, valuable in the modern collaborative workplace. According to the US Bureau of Labor, earnings in English-related industries with the most employment, range from $44,00 - $64,000.

Program Learning Outcomes
Students completing this program will be able to:

1. Composition Courses: Write focused, organized, well-developed, and text-based essays using effective paragraphs, which support a clear thesis statement, and demonstrate competence in standard English grammar and usage.
2. Composition Courses: Demonstrate critical reading, writing, and thinking skills through analysis, synthesis, and evaluation of important ideas.
3. Composition Courses: Effectively evaluate and fluidly integrate relevant sources, using appropriate research strategies and tools, and documenting them according to MLA guidelines.
4. Literature courses: Demonstrate an understanding of a broad range of literary works from the period and/or genre by analyzing major themes and literary techniques.
5. Literature courses: Write analytical, unified, text-based essays using the conventions of literary analysis and criticism, and effectively integrating and documenting sources according to MLA guidelines.

Required Core Courses
Select a minimum of 6 units from the following:

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110</td>
<td>Composition, Literature, and Critical Thinking</td>
</tr>
<tr>
<td>ENGL 165</td>
<td>Critical Thinking and Advanced Composition</td>
</tr>
</tbody>
</table>

Plus a selection of 12 units from the following, 6 units of which must be literature courses:

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>Applied English Skills for Cultural Production I</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Applied English Skills for Cultural Production II</td>
</tr>
<tr>
<td>ENGL 161</td>
<td>Creative Writing I</td>
</tr>
<tr>
<td>ENGL 162</td>
<td>Creative Writing II</td>
</tr>
<tr>
<td>FILM 440</td>
<td>Film Study and Appreciation</td>
</tr>
<tr>
<td>JOUR 120</td>
<td>Writing and Reporting for the Media</td>
</tr>
<tr>
<td>JOUR 121</td>
<td>Advanced Writing and Reporting for the Media</td>
</tr>
<tr>
<td>LIT. 101</td>
<td>Contemporary Literature</td>
</tr>
<tr>
<td>LIT. 191</td>
<td>Children's Literature OR</td>
</tr>
<tr>
<td>ECE. 191</td>
<td>Children's Literature</td>
</tr>
<tr>
<td>LIT. 155</td>
<td>Comics and the Graphic Novel</td>
</tr>
<tr>
<td>LIT. 156</td>
<td>Science Fiction and Fantasy Literature</td>
</tr>
<tr>
<td>LIT. 201</td>
<td>American Literature I</td>
</tr>
<tr>
<td>LIT. 202</td>
<td>American Literature II</td>
</tr>
<tr>
<td>LIT. 220</td>
<td>Introduction to World Literature I</td>
</tr>
<tr>
<td>LIT. 221</td>
<td>Introduction to World Literature II</td>
</tr>
<tr>
<td>LIT. 231</td>
<td>Survey of British Literature I</td>
</tr>
<tr>
<td>LIT. 232</td>
<td>Survey of British Literature II</td>
</tr>
<tr>
<td>LIT. 101</td>
<td>Contemporary Literature</td>
</tr>
<tr>
<td>LIT. 266</td>
<td>Black Literature</td>
</tr>
<tr>
<td>LIT. 267</td>
<td>Filipino American Literature</td>
</tr>
<tr>
<td>LIT. 370</td>
<td>Readings in Literature of the Latino in the United States</td>
</tr>
<tr>
<td>LIT. 432</td>
<td>Folklore</td>
</tr>
</tbody>
</table>

www.skylinecollege.edu
Total Required Major Units: 18
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

Rotation of Literature Courses
Day, Evening and Online Classes
Listed below are tentative Literature offerings for the upcoming semesters.

### Fall 2019

<table>
<thead>
<tr>
<th>Online</th>
<th>LIT. 201 American Literature I</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT. 231 Survey of British Literature I</td>
<td>LIT. 370 Readings in the Literature of the Latino in the United States</td>
</tr>
<tr>
<td>On Campus</td>
<td>LIT. 370 Readings in the Literature of the Latino in the United States</td>
</tr>
</tbody>
</table>

### Spring 2020

<table>
<thead>
<tr>
<th>Online</th>
<th>LIT. 202 American Literature II</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT. 232 Survey of British Literature II</td>
<td>LIT. 191 Children’s Literature</td>
</tr>
<tr>
<td>On Campus</td>
<td>LIT. 191 Children’s Literature</td>
</tr>
</tbody>
</table>

### Summer 2019

<table>
<thead>
<tr>
<th>Online</th>
<th>LIT. 101 Contemporary Literature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lit. 370 Readings in Literature of the Latino in the United States</td>
<td></td>
</tr>
</tbody>
</table>

### Required Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 165</td>
<td>Composition, Argument and Critical Thinking</td>
<td>3 units</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>Composition, Literature, and Critical Thinking</td>
<td>3 units</td>
</tr>
</tbody>
</table>

### List A - Select two courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT. 201</td>
<td>American Literature I</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 202</td>
<td>American Literature II</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 231</td>
<td>Survey of British Literature I</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 232</td>
<td>Survey of British Literature II</td>
<td>3 units</td>
</tr>
</tbody>
</table>

### List B - Select one course from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 161</td>
<td>Creative Writing I</td>
<td>3 units</td>
</tr>
</tbody>
</table>

### List C - Select one course from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT. 101</td>
<td>Contemporary Literature</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 191</td>
<td>Children’s Literature</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 251</td>
<td>Women in Literature</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 266</td>
<td>Black Literature</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 267</td>
<td>Filipino American Literature</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 370</td>
<td>Readings in Literature of the Latino in the United States</td>
<td>3 units</td>
</tr>
<tr>
<td>LIT. 432</td>
<td>Folklore</td>
<td>3 units</td>
</tr>
<tr>
<td>ASL 111</td>
<td>American Sign Language IA</td>
<td>3 units</td>
</tr>
<tr>
<td>ASL 112</td>
<td>American Sign Language IB</td>
<td>3 units</td>
</tr>
<tr>
<td>ARBC 111</td>
<td>Elementary Arabic I</td>
<td>3 units</td>
</tr>
<tr>
<td>ARBC 112</td>
<td>Elementary Arabic II</td>
<td>3 units</td>
</tr>
<tr>
<td>CHIN 111</td>
<td>Elementary Chinese I</td>
<td>3 units</td>
</tr>
<tr>
<td>CHIN 112</td>
<td>Elementary Chinese II</td>
<td>3 units</td>
</tr>
</tbody>
</table>

### AA-T English for Transfer

The Associate in Arts in English for Transfer Degree (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does not accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular campus or university or college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of “C” or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.
DEGREES & CERTIFICATES

FILI 110  Elementary Filipino  5 units
FILI 111  Elementary Filipino I  3 units
FILI 112  Elementary Filipino II  3 units
FILI 120  Advanced Elementary Filipino  5 units
SPAN 110  Elementary Spanish  5 units
SPAN 111  Elementary Spanish I  3 units
SPAN 112  Elementary Spanish II  3 units
SPAN 120  Advanced Elementary Spanish  5 units
SPAN 130  Intermediate Spanish  4 units
SPAN 140  Advanced Intermediate Spanish  4 units
SPAN 220  Spanish for Spanish Speakers I  5 units
SPAN 230  Spanish for Spanish Speakers II  5 units
JOUR 120  Writing and Reporting for the Media  3 units
BUS. 401  Business Communications  3 units

Total Required Major Units: 18 - 20

General Education - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.
Up to a total of 9-12 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

Certificate of Achievement

Proficiency In American Culture and English (PACE). 16 units
ENVIRONMENTAL SCIENCE AND TECHNOLOGY

AS-T | Associate in Science Degree for Transfer
Environmental Science...................................................... 60 units

AS-T | Environmental Science

The Associate in Science in Environmental Science for Transfer (AS-T) from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in Environmental Science, Environmental Studies or a closely related discipline. Additionally, this degree allows students to learn the fundamental principles and practices in Environmental Science in order to create a solid foundation and solid preparation that is appropriate for a variety of scientific disciplines. The program will produce students well prepared to transfer to the California State University system to undertake a study of upper division theoretical and/or applied course work in Environmental Science.

Career Opportunities
Due to its interdisciplinary nature and the growing number of jobs in the Environmental sector, students with a bachelor's degree in Environmental Science can find employment in a wide variety of fields. Careers in both the public and private sector include: environmental consulting, environmental education, urban and regional planning, recycling and waste management, energy conservation and development of alternative energies, hydrology, pollution control, natural resource management, park management, oceanography, meteorology, ecology, and education.

Program Learning Outcomes
Students completing this program will be able to:
1. Use the Scientific Method and apply it to the development of scientific thought.
2. Critically evaluate scientific information in the media and from scientific sources to assess both its credibility and significance and impact on society and the environment.
3. Analyze the interdisciplinary nature of environmental science.
4. Document and communicate scientific findings effectively.

Required Core (15 units) | Units
--- | ---
BIOL 215 | Organismal Biology: Core I | 5 units

List A: (16 units) | Units
--- | ---
ENVS 100 | Introduction to Environmental Science | 3 units
GEOL 210 | General Geology | 4 units
OR
GEOG 100 | Physical Geography | 3 units
AND
GEOG 101 | Physical Geography Lab | 1 unit
MATH 200 | Elementary Probability & Statistics | 4 units
AND
MATH 251 | Calculus with Analytic Geometry I | 5 units
OR
MATH 241 | Applied Calculus I | 5 units

List B: (11 units) | Units
--- | ---
ECON 102 | Principles of Microeconomics | 3 units
AND
PHYS 210 | General Physics I | 4 units
AND
PHYS 220 | General Physics II | 4 units
OR
PHYS 250 | Physics with Calculus I | 4 units
AND
PHYS 260 | Physics with Calculus II | 4 units

Total Required Major Units: 42

General Education " Certified completion of the following:
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern for STEM.
Fifteen (15) major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree Requirements.

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

GEOGRAPHY

AA-T Associate in Arts Degree for Transfer
Geography for Transfer................................................. 60 units

AA-T Geography for Transfer

is the study of places and the relationships between people and their s. s explore both the physical properties of Earth's surface and the human societies spread across it. They also examine how human interacts with the natural environment, and the way that locations and places can have an impact on people. Above all, Geography is "spatial" - virtually everything has a spatial component, from the distribution of subatomic particles to the choices we make when we buy groceries. Therefore, as a Geographer, you can choose to study an enormous range of subjects. Geography is also an extremely hands-on discipline with a strong emphasis on using computer-based tools and participating in field studies. Knowing where things are, why they got there, and how they work is critical to understanding our world today and how it is changing - this is Geography!

People who study geography work in a wide range of professions, including urban planning, community development, environmental studies, international development, emergency response, government jobs, academia/teaching, and many high tech fields.

Career Opportunities

A degree in Geography provides many practical opportunities for employment. Geographic Information Systems (GIS), global positioning systems (GPS), and remote sensing (analysis of satellite images of the Earth) are all highly employable specialties that are being used every day by more and more people. In a world where information management is becoming a major commodity, people who can understand and use spatial information are in demand. Additionally, analytical and research skills gained through a geography major provide a strong foundation for graduate study in many subjects including law, urban planning, and architecture.

Program Learning Outcomes

Students completing this program will be able to:

1. Analyze, synthesize, and apply core geographic principles, concepts, models, and phenomena.
2. Identify examples of human-environmental interaction and assess their past, present, and future impact.
3. Evaluate and apply geographic methods and associated theories used to analyze and advance geographic concepts.

Required Core Courses: 7 units

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 100</td>
<td>3 units</td>
</tr>
<tr>
<td>GEOG 101</td>
<td>1 unit</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>3 units</td>
</tr>
</tbody>
</table>

List A: Select two courses from the following (6-7 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 150</td>
<td>3 units</td>
</tr>
<tr>
<td>GEOG 300</td>
<td>3 units</td>
</tr>
<tr>
<td>GEOG 106</td>
<td>4 units</td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 106</td>
<td>4 units</td>
</tr>
</tbody>
</table>

List B: Select two courses from the following (6-7 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 110</td>
<td>3 units</td>
</tr>
<tr>
<td>GEOL 100</td>
<td>3 units</td>
</tr>
<tr>
<td>MATH 200</td>
<td>4 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 19 - 21

General Education - certified completion of one of the following:

www.skylinecollege.edu
• California State University General Education-Breadth pattern (CSU GE Breadth),
• OR
• Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 7-12 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

### GEOLOGY

**AS-T** Associate in Science Degree for Transfer
Geology for Transfer.................................................. 60 units

**AS-T** Geology for Transfer

An Associate in Science in Geology for Transfer (AS-T) from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in Geology or a closely related discipline. Additionally, this degree allows students to learn the fundamental principles and practices in Geology in order to create a solid foundation and solid preparation that is appropriate for a variety of scientific disciplines. The program will produce students well prepared to transfer to the California State University system to undertake a study of upper division theoretical and/or experimental course work in Geology. The Associate in Science in Geology for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in Geology or a closely related discipline at a California State University (CSU) campus. Students completing this degree are guaranteed admission to the California State University system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending the transfer to a particular university or college that is not part of the CSU system and should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 210 General Geology</td>
<td>4 units</td>
</tr>
<tr>
<td>GEOL 220 Historical Geology</td>
<td>4 units</td>
</tr>
<tr>
<td>CHEM 210 General Chemistry I</td>
<td>5 units</td>
</tr>
<tr>
<td>CHEM 220 General Chemistry II</td>
<td>5 units</td>
</tr>
<tr>
<td>MATH 251 Calculus with Analytic Geometry I</td>
<td>5 units</td>
</tr>
<tr>
<td>MATH 252 Calculus with Analytic Geometry II</td>
<td>5 units</td>
</tr>
</tbody>
</table>

**Recommended Preparation** In addition to the above, students in the major are urged to consider the following related courses as recommended preparation for the AS-T:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 215 Organismal Biology: Core I</td>
</tr>
<tr>
<td>PHYS 250 Physics with Calculus I</td>
</tr>
<tr>
<td>PHYS 260 Physics with Calculus II</td>
</tr>
</tbody>
</table>

**Total Required Major Units:** 28

**General Education** - certified completion of one of the following:

• California State University General Education-Breadth pattern (CSU GE Breadth),
• OR
• Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 7 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

### HEALTH SCIENCE

**AS-T** Associate in Science Degree for Transfer
Public Health Science for Transfer.................................. 60 units
Public Health Science for Transfer

The Associates Degree of Transfer in Public Health Science prepares students for advanced study in public health and community health education. Students explore and make sense of the complex, dynamic forces that affect human and population health at the local, national and global levels. Students will explore the environmental, social, behavioral and political drivers of chronic and infectious diseases, health disparities, premature death, disease epidemics and strategies for addressing these issues. After acquiring skills, students can choose to pursue advanced study in public health or health education, or work in the field of community health education in a variety of settings including public schools, community clinics, hospitals and medical centers, and government public health agencies.

Career Opportunities

A variety of career options exist for Public Health Science degree holders both at the associate and bachelor’s levels. At the associate level, students may work as community health educators, community health outreach workers, health counselors or health research assistants. For students who transfer to one of the approved Health Science majors in the CSU system, career opportunities broaden further. With a bachelors graduates may work as any of the aforementioned as well as: health education coordinators, trainers, health program planners, health coaches, school-based health educators and more. Community health workers can work in a variety of settings including community health centers, schools, private medical offices and hospitals, county public health agencies, public health research projects and more.

Program Learning Outcomes

Students completing this program will be able to:

1. Identify factors influencing the public’s health including factors related to public policy, socioeconomics, and the environment that contribute to epidemics, health disparities and leading causes of morbidity and mortality.
2. Make connections between the psychosocial, behavioral, biomedical and environmental aspects of human health.
3. Apply basic statistical methods to measuring and understanding population health.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 200</td>
<td>Elementary Probability &amp; Statistics</td>
<td>4 units</td>
</tr>
<tr>
<td>HSCI 100</td>
<td>General Health Science</td>
<td>3 units</td>
</tr>
<tr>
<td>HSCI 135</td>
<td>Introduction to Public Health</td>
<td>3 units</td>
</tr>
</tbody>
</table>

List A: Select one course (3 units) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 100</td>
<td>Principles of Macro Economics</td>
<td>3 units</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3 units</td>
</tr>
<tr>
<td>SOCI 100</td>
<td>Introduction to Sociology</td>
<td>3 units</td>
</tr>
<tr>
<td>FCS 310</td>
<td>Nutrition</td>
<td>3 units</td>
</tr>
<tr>
<td>HSCI 130</td>
<td>Human Sexuality</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 32 - 34

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
  - Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

A total of 18 - 21 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree Requirements.

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

HISTORY

AA Associate in Arts Degree Program
International Studies..........................................................60 units

AA-T Associate in Arts Degree for Transfer
History for Transfer............................................................60 units
International Studies

Students completing this major will gain a global perspective on the histories, political structures, and cultures of all of the world's regions, as well as expertise in a specific region of their choice.

All students in this major will take a set of core courses that provide a common framework for an understanding of historical, economical, cultural and political relations. Each student will also choose one of four areas for specialization: Asia, Europe, Latin America, or the Philippines for more extensive study of the history, language, and arts of that area. This major provides the foundation to transfer into International Studies/Relations or majors with specific geopolitical areas of emphasis and is valuable for students planning a career in education, business, law and many other areas where an understanding of diverse cultures is important.

Required core course in Social Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 130</td>
<td>International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 9 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 104</td>
<td>World Civilizations I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 106</td>
<td>World Civilizations II</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>ECON 100</td>
<td>Principles of Macro Economics</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 110</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 6 to 10 units from one of the following languages:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 111</td>
<td>Elementary Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 112 *</td>
<td>Elementary Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 111</td>
<td>Elementary Chinese I</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 112 *</td>
<td>Elementary Chinese II</td>
<td>3</td>
</tr>
<tr>
<td>FILI 110</td>
<td>Elementary Filipino</td>
<td>5</td>
</tr>
<tr>
<td>FILI 111</td>
<td>Elementary Filipino I</td>
<td>3</td>
</tr>
<tr>
<td>FILI 112 *</td>
<td>Elementary Filipino II</td>
<td>3</td>
</tr>
<tr>
<td>FILI 120 **</td>
<td>Advanced Elementary Filipino</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 110</td>
<td>Elementary Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 120 **</td>
<td>Advanced Elementary Spanish</td>
<td>5</td>
</tr>
</tbody>
</table>

Plus a minimum of 6 units from two different departments in one of the following Area Studies:

<table>
<thead>
<tr>
<th>Area Studies</th>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>African Diaspora</td>
<td>HIST 244</td>
<td>African American History</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LIT. 266</td>
<td>Black Literature</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSYC 238</td>
<td>Arab Cultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSYC 268</td>
<td>Black Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SOCI 143</td>
<td>Sociology of Migration and Immigration</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asia</td>
<td>ART 105</td>
<td>Art of Asia &amp; the Near East</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHIN 111 *</td>
<td>Elementary Chinese I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHIN 122 *</td>
<td>Advanced Elementary Chinese II</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>ART 101</td>
<td>History of Western Art I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ART 102</td>
<td>History of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 110 *</td>
<td>Elementary Spanish</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>SPAN 111 *</td>
<td>Elementary Spanish I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 121 *</td>
<td>Advanced Elementary Spanish I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 122 *</td>
<td>Advanced Elementary Spanish II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 140 *</td>
<td>Advanced Intermediate Spanish</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>HIST 100</td>
<td>History of Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIST 101</td>
<td>History of Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIST 109</td>
<td>Europe Since 1945</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latin America</td>
<td>ART 120</td>
<td>Art of the Americas</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LIT. 370</td>
<td>Readings in Literature of the Latino in the United States</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 110 *</td>
<td>Elementary Spanish</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>SPAN 111 *</td>
<td>Elementary Spanish I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN 121 *</td>
<td>Advanced Elementary Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>SPAN 122 *</td>
<td>Advanced Elementary Spanish II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SPAN 140 *</td>
<td>Advanced Intermediate Spanish</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ARBC 111 *</td>
<td>Elementary Arabic I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARBC 112 *</td>
<td>Elementary Arabic II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 335</td>
<td>History and Politics of the Middle East</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PLSC 335</td>
<td>History and Politics of the Middle East</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC 238</td>
<td>Arab Cultural Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FILI 110 *</td>
<td>Elementary Filipino</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>FILI 111 *</td>
<td>Elementary Filipino I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FILI 112 *</td>
<td>Elementary Filipino II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FILI 120 *</td>
<td>Advanced Elementary Filipino</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>HIST 435</td>
<td>History of the Philippines</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 436</td>
<td>Filipinos in America</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LIT 267</td>
<td>Filipino American Literature</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SOCI 142</td>
<td>Filipina/o Community Issues</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Recommended Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 150</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>MUS 250</td>
<td>World Music</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 300</td>
<td>Intro to World Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

* 6 units, the equivalent of 1 semester of college-level foreign language
** 10 units, the equivalent of 1 year of college-level foreign language and also meets Languages other than English portion of IGETC

**Total Required Major Units: 24 - 28**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

### AA-T History for Transfer

The Associate in Arts in History for Transfer (AA-T) from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in History or a closely related degree. History degrees are often preparation for careers in education, law or the Foreign Service. Additionally, this degree develops key critical thinking skills and enhances the student's ability to participate fully and meaningfully as a citizen in a democracy.

The Associate in Arts Degree 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 an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

**A grade of “C” or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.**

### Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate ability to understand, analyze and evaluate historical processes that affect the United States and other nations, such as nation building, social change, economic development, consolidation of power and geopolitical conflict.

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 201</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 202</td>
<td>United States History II</td>
<td>3</td>
</tr>
</tbody>
</table>
List A: (Select two courses from the following):

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 units</td>
<td>HIST 100 History of Western Civilization I</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>HIST 104 World Civilizations I</td>
<td></td>
</tr>
<tr>
<td>3 units</td>
<td>HIST 101 History of Western Civilization II</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>HIST 106 World Civilizations II</td>
<td></td>
</tr>
</tbody>
</table>

List B: (Select one course from Area 1 and one course from Area 2):

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 units</td>
<td>HIST 104 World Civilizations I</td>
<td></td>
</tr>
<tr>
<td>Area 1</td>
<td>HIST 106 World Civilizations II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HIST 235 History of Ethnic Groups in the United States</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>HIST 240 History of Ethnic Groups in California</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>HIST 244 African American History</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>HIST 248 Women and The American Experience</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>HIST 335 History and Politics of the Middle East</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>HIST 435 History of the Philippines</td>
<td>3 units</td>
</tr>
<tr>
<td>Area 2</td>
<td>HIST 436 Filipinos in America</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>ARBC 111 Elementary Arabic I</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>ASL 111 American Sign Language IA</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>CHIN 111 Elementary Chinese I</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>FILI 111 Elementary Filipino I</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>HIST 108 Survey of American History</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>HIST 203 The United States Since 1945</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>HIST 310 California History</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>ECON 100 Principles of Macro Economics</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>GEOG 110 Cultural Geography</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>GEOG 150 World Regional Geography</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>PLSC 210 American Politics</td>
<td>3 units</td>
</tr>
<tr>
<td></td>
<td>PLSC 301 California State and Local Government</td>
<td>3 units</td>
</tr>
</tbody>
</table>

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree. Please refer to the AA/AS Degree Requirements for more information.

* *If not used to meet List A requirement

**Total Required Major Units: 18**

**General Education** - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 6 to 15 major course units may be double counted to apply to meet general education requirements. This degree does **not** require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

**HOSPITALITY AND TOURISM MANAGEMENT**

**SC** Skills Certificate
Food & Beverage Entry-Level Professional......................... 7 units
Guest Service Entry-Level Professional............................ 6.5 units
Meeting & Event Planning Entry-Level Professional. 6.5 units

**SC** Food & Beverage Entry-Level Professional

Hospitatlity and tourism are among the world’s largest and fastest growing industries, offering endless opportunities for students who enjoy working with people in the Hospitality and Tourism Management program prepares students for careers in this exciting and fast paced career pathway. Students receive relevant and hands-on training in various segments of the hospitality and tourism industry. Educational tracks in the following areas include hotel and resorts, meeting and event planning, food service and restaurant management.
Successful individuals in the Hospitality and Tourism industry are equipped with the skills necessary to provide exceptional customer service, effective decision making, ability to work well in a team environment, and use current technology in hospitality and tourism operations.

**Career Opportunities**
Server Assistant, Host, Restaurant Server, Banquet Server, Food Runner, Cafe Attendant, Food Service Associate

**Program Learning Outcomes**
Students completing this program will be able to:

1. Students will demonstrate skills necessary in entry-level restaurant/banquet operations.
2. Students will identify basic food safety and sanitation standards required in restaurant and food service operations.

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTM. 101</td>
<td>3 units</td>
</tr>
<tr>
<td>HTM. 125</td>
<td>1 unit</td>
</tr>
<tr>
<td>HTM. 120</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Total Required Units: 7**

### SC Meeting & Event Planning Entry-Level Professional

Hospitatlity and tourism are among the world’s largest and fastest growing industries, offering endless opportunities for students who enjoy working with people. The Hospitality and Tourism Management program prepares students for careers in this exciting and fast paced career pathway. Students receive relevant and hands-on training in various segments of the hospitality and tourism industry. Educational tracks in the following areas include hotel and resorts, meeting and event planning, food service and restaurant management.

Successful individuals in the Hospitality and Tourism industry are equipped with the skills necessary to provide exceptional customer service, effective decision making, ability to work well in a team environment, and use current technology in hospitality and tourism operations.

**Career Opportunities**
Catering Assistant, Special Event Associate, Entry-Level Event Representative,

**Program Learning Outcomes**
Students completing this program will be able to:

1. Demonstrate how to work effectively with internal and external clients.
2. Identify all aspects and necessary functions of a successful meetings or event.
3. Demonstrate the skills necessary to utilize technology in meeting and event planning.
4. Implement a special events project.

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTM. 140 Introduction to Meeting, Event and Conference Management</td>
<td>3 units</td>
</tr>
<tr>
<td>HTM. 108 Technology Essentials in Hospitality</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Total Required Units: 6.5**
**INTERDISCIPLINARY STUDIES**

**AA Associate in Arts Degree Program**

Interdisciplinary Studies: Arts and Humanities........... 60 units
Interdisciplinary Studies: Health and Physical Education................................................................. 60 units
Interdisciplinary Studies: Letters and Science.......... 60 units
Interdisciplinary Studies: Social and Behavioral Sciences................................................................. 60 units
Interdisciplinary Studies: Social and Natural Sciences............................................................... 60 units

**AA Interdisciplinary Studies: Arts and Humanities**

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

**Note:** A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

**Degree Requirements**

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree

**Total Required Units: 6.5**

**AREAS OF EMPHASIS FOR INTERDISCIPLINARY STUDIES MAJOR**

**Arts and Humanities**

This area of emphasis integrates the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will analyze and evaluate the ways in which people through the ages in different cultures have responded to themselves and the world around them in cultural and artistic creation.

**Health and Physical Education**

The health, family and consumer science, physical education and psychology courses emphasize theoretical and practical knowledge for maintenance of physical and mental health. The physical education and intercollegiate athletic courses provide students with the opportunity to develop active and healthy lifestyles.

**Letters and Science**

This area of emphasis integrates the study of the world around us by developing analytical skills needed to understand the physical world and the human beings who occupy it, including the artifacts they produce.

**Social and Behavioral Sciences**

This area of emphasis studies the systems and institutions human beings in various cultures develop to organize their lives in both individual and group settings.

**Social and Natural Sciences**

This area of emphasis integrates the study of cultural, scientific methodology from two perspectives, that of the social sciences which consider the human world in several aspects, and that of the natural sciences which consider the world in its physical and biological aspects.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Analyze and evaluate artistic and cultural creations as a reflection of certain socio-cultural periods.
2. Demonstrate effective communication through written and oral forms, and through other forms as appropriate.

Select a minimum of 18 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 111</td>
<td>Elementary Arabic I</td>
<td>3 units</td>
</tr>
<tr>
<td>ARBC 112</td>
<td>Elementary Arabic II</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 101</td>
<td>History of Western Art I</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 102</td>
<td>History of Western Art II</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 105</td>
<td>Art of Asia &amp; the Near East</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 107</td>
<td>Art of Our Times</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 115</td>
<td>Art, Music and Ideas</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 117</td>
<td>Arts of Africa and the African Diaspora</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 120</td>
<td>Art of the Americas</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 130</td>
<td>Art Appreciation</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 204</td>
<td>Drawing I</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 221</td>
<td>Painting I</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 301</td>
<td>Two-Dimensional Design</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 350</td>
<td>Visual Perception Through Photography</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 351</td>
<td>Black and White Photography I</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 352</td>
<td>Black and White Photography II</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 354</td>
<td>Digital Photography I</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 355</td>
<td>Digital Photography II</td>
<td>3 units</td>
</tr>
<tr>
<td>ART 405</td>
<td>Sculpture I</td>
<td>3 units</td>
</tr>
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Note: The following pairs are the same course: ART 115 and MUS. 115 HIST 335 and PLSC 335 PHIL 280 and PLSC 280

Total Required Major Units: 18
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

TRANSFER NOTES

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).
2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

AA Interdisciplinary Studies: Health and Physical Education

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.
Note: A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

Degree Requirements

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
2. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy
3. Meet the Specific Area requirements in American History and Institutions, English, Physical Education, and Ethnic and Cultural Diversity
4. Complete Skyline General Education Requirements

The health, family and consumer science, physical education and psychology courses emphasize theoretical and practical knowledge for maintenance of physical and mental health. The physical education and intercollegiate athletic courses provide students with the opportunity to develop active and healthy life styles.

Career Opportunities

Exploratory degree for transfer into career-path four year degrees such as Physical Education, Athletic Training, Nursing, Health Sciences, Physical Therapy, and Mental Health subject areas or for those wishing to earn a degree in areas of emphasis that interest them.

Program Learning Outcomes

Students completing this program will be able to:

1. Explain how to maintain physical and mental health by drawing from theoretical and practical knowledge pertaining to the health sciences, kinesiology, and psychology.
2. Apply, through participation in a range of physical activity, principles of personal, intellectual, social and emotional development.

Choose at least 9 units from courses listed below:

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<td>KINE 305 Health-Related Fitness and Wellness</td>
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<td>KINE 510 Sport, Movement and Film</td>
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<td>Volleyball Theory: Offense</td>
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<td>Baseball Theory: Defense</td>
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<td>Baseball Theory: Offense</td>
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<td>Men's Basketball Theory: Offense</td>
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<td>Women's Basketball Theory: Offense</td>
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Note: The following pair is the same course: ECE 201 and PSYC 201

Total Required Major Units: 18

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

TRANSFER NOTES

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).
2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

AA Interdisciplinary Studies: Letters and Science

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not
be planning to transfer but wish to earn a degree in a particular area of study that interests them.

Note: A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

Degree Requirements

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
2. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy
3. Meet the Specific Area requirements in American History and Institutions, English, Physical Education and Ethnic and Cultural Diversity
4. Complete Skyline General Education Requirements

This area of emphasis integrates the study of the world around us by developing analytical skills needed to understand the physical world and the human beings who occupy it, including the artifacts they produce.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply scientific concepts and principles to explain physical processes in the world.
2. Demonstrate effective communication through written and oral forms, and through other forms as appropriate.

Choose at least 9 units from courses listed below:

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<tr>
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<tr>
<td>BIOL 145</td>
<td>Plants, People &amp; Environment</td>
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<td>BIOL 150</td>
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<tr>
<td>BIOL 215</td>
<td>Organismal Biology: Core I</td>
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<td>BIOL 230</td>
<td>Introduction to Cell Biology: Core II</td>
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Choose at least 9 units from courses listed below:

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<td>Natural History of California</td>
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**AND choose at least 9 units from courses listed below:**

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**Note:** The following pairs are the same course: ECE. 191 and LIT. 191, HIST 335 and PLSC 335, PHIL 280 and PLSC 280
**OR choose at least 9 units from courses listed below:**

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**PLSC 280 Introduction to Political Philosophy**

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<td>PSYC 300 Social Psychology</td>
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<td>3 units</td>
<td>SOSC 270 The Civil Rights Movement</td>
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The following pairs are the same course:

- ECE. 201 and PSYC 201
- HIST 335 and PLSC 335
- PHIL 280 and PLSC 280
- PSYC 110 and SOCI 110

**Total Required Major Units: 18**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

**TRANSFER NOTES**

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).

2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).
Interdisciplinary Studies: Social and Behavioral Sciences

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

**Note:** A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

**Degree Requirements**

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
2. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy
3. Meet the Specific Area requirements in American History and Institutions, English, Physical Education and Ethnic and Cultural Diversity
4. Complete Skyline General Education Requirements
5. Successfully Complete 18 units in one of the following areas of emphasis

This area of emphasis studies the systems and institutions human beings in various cultures develop to organize their lives in both individual and group settings.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Contrast the human systems and institutions used by different cultures to organize people in individual and group settings.

2. Analyze contemporary ethical or social problems from the perspective of the social or behavioral sciences.

Select a minimum of 18 units from the following:

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<tr>
<td>PSYC 301</td>
<td>Psychology of Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 390</td>
<td>Psychology of Consciousness</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 410</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 100</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 105</td>
<td>Contemporary Social Issues</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 110</td>
<td>Courtship, Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 141</td>
<td>Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 142</td>
<td>Filipina/o Community Issues</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 143</td>
<td>Sociology of Migration and Immigration</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 201</td>
<td>Sociology of Health and Medicine</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 270</td>
<td>The Civil Rights Movement</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: The following pairs are the same course: ECE. 201 and PSYC 201; HIST 335 and PLSC 335; PHIL 280 and PLSC 280; PSYC 110 and SOCI 110.

* Courses that are transferable only to CSU are marked with an asterisk (*).

**Total Required Major Units: 18**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

**TRANSFER NOTES**

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).

2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

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**AA Interdisciplinary Studies: Social and Natural Sciences**

The Interdisciplinary Studies degree is designed for students who wish to pursue broad areas of knowledge in arts and sciences plus additional knowledge in an "Areas of Emphasis." This degree is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.
Note: A minimum grade of C is required in all courses applied to any area of emphasis in this major.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at their target transfer institution.

Degree Requirements

1. Complete Residency, Scholarship, Basic Competency, Specific Area, and General Education requirements for the Skyline College Associate Degree
2. Meet the Basic Competency requirements in Writing/Reading, Mathematics/Quantitative Reasoning, and Information Literacy
3. Meet the Specific Area requirements in American History and Institutions, English, Physical Education and Ethnic and Cultural Diversity
4. Complete Skyline General Education Requirements

This area of emphasis integrates the study and application of scientific methodology from two perspectives, that of the social sciences which consider the human world in several aspects, and that of the natural sciences which consider the world in its physical and biological aspects.

Program Learning Outcomes

Students completing this program will be able to:

1. Explain the major concepts, fundamental principles and basic theories of at least one area of science.
2. Evaluate proposed solutions to contemporary social issues requiring scientific literacy.

Choose at least 9 units from courses listed below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 125</td>
<td>Physical Anthropology</td>
<td>3 units</td>
</tr>
<tr>
<td>ANTH 127</td>
<td>Physical Anthropology Laboratory</td>
<td>1 unit</td>
</tr>
<tr>
<td>ASTR 100</td>
<td>Introduction To Astronomy</td>
<td>3 units</td>
</tr>
<tr>
<td>ASTR 101</td>
<td>Astronomy Laboratory</td>
<td>1 unit</td>
</tr>
<tr>
<td>BIOL 101</td>
<td>Our Biological World</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 110</td>
<td>Principles of Biology</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>Natural History of California</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 130</td>
<td>Human Biology</td>
<td>3 units</td>
</tr>
<tr>
<td>BIOL 140</td>
<td>Animals, People, and Environment</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Choose at least 9 units from courses listed below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 145</td>
<td>Plants, People &amp; Environment</td>
<td>3 units</td>
</tr>
<tr>
<td>BIOL 150</td>
<td>Introduction to Marine Biology</td>
<td>3 units</td>
</tr>
<tr>
<td>BIOL 215</td>
<td>Organismal Biology: Core I</td>
<td>5 units</td>
</tr>
<tr>
<td>BIOL 230</td>
<td>Introduction to Cell Biology: Core II</td>
<td>5 units</td>
</tr>
<tr>
<td>BIOL 240</td>
<td>General Microbiology</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 250</td>
<td>Human Anatomy</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 260</td>
<td>Human Physiology</td>
<td>5 units</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Chemistry in Action</td>
<td>4 units</td>
</tr>
<tr>
<td>CHEM 210</td>
<td>General Chemistry I</td>
<td>5 units</td>
</tr>
<tr>
<td>CHEM 220</td>
<td>General Chemistry II</td>
<td>5 units</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry I</td>
<td>3 units</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry II</td>
<td>3 units</td>
</tr>
<tr>
<td>CHEM 237</td>
<td>Organic Chemistry Lab I</td>
<td>2 units</td>
</tr>
<tr>
<td>CHEM 238</td>
<td>Organic Chemistry Lab II</td>
<td>2 units</td>
</tr>
<tr>
<td>CHEM 410</td>
<td>Chemistry for Health Sciences</td>
<td>4 units</td>
</tr>
<tr>
<td>ELEC 110</td>
<td>Fundamentals of Electronics</td>
<td>4 units</td>
</tr>
<tr>
<td>GEOG 100</td>
<td>Physical Geography</td>
<td>3 units</td>
</tr>
<tr>
<td>GEOG 101</td>
<td>Physical Geography Lab</td>
<td>1 unit</td>
</tr>
<tr>
<td>GEOL 100</td>
<td>Survey of Geology</td>
<td>3 units</td>
</tr>
<tr>
<td>GEOL 105</td>
<td>Environmental Earth Science</td>
<td>3 units</td>
</tr>
<tr>
<td>GEOL 210</td>
<td>General Geology</td>
<td>4 units</td>
</tr>
<tr>
<td>GEOL 220</td>
<td>Historical Geology</td>
<td>4 units</td>
</tr>
<tr>
<td>OCEN 100</td>
<td>Survey of Oceanography</td>
<td>3 units</td>
</tr>
<tr>
<td>PHYS 105</td>
<td>Conceptual Physics</td>
<td>3 units</td>
</tr>
<tr>
<td>PHYS 210</td>
<td>General Physics I</td>
<td>4 units</td>
</tr>
<tr>
<td>PHYS 220</td>
<td>General Physics II</td>
<td>4 units</td>
</tr>
<tr>
<td>PHYS 250</td>
<td>Physics with Calculus I</td>
<td>4 units</td>
</tr>
<tr>
<td>PHYS 260</td>
<td>Physics with Calculus II</td>
<td>4 units</td>
</tr>
<tr>
<td>PHYS 270</td>
<td>Physics with Calculus III</td>
<td>4 units</td>
</tr>
<tr>
<td>ADMJ 100</td>
<td>Introduction to Administration of Justice</td>
<td>3 units</td>
</tr>
<tr>
<td>ANTH 110</td>
<td>Cultural Anthropology</td>
<td>3 units</td>
</tr>
<tr>
<td>ANTH 125</td>
<td>Physical Anthropology</td>
<td>3 units</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
<td>Units</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>ANTH 150</td>
<td>Introduction to Archaeology: Bones, Beads and the Basics of Material Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 155</td>
<td>Human Prehistory and the Rise of Civilization</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 165</td>
<td>Sex and Gender: Cross-Cultural Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 180</td>
<td>Magic, Witchcraft and Religion</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 360</td>
<td>Native Peoples of North America</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 100</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 101 *</td>
<td>Human Relations at Work</td>
<td>3</td>
</tr>
<tr>
<td>BUS. 201</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>ECE. 201</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE. 212</td>
<td>Child, Family &amp; Community</td>
<td>3</td>
</tr>
<tr>
<td>ECON 100</td>
<td>Principles of Macro Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 100</td>
<td>Introduction to Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 150</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 108</td>
<td>Survey of American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 201</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 202</td>
<td>United States History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203</td>
<td>The United States Since 1945</td>
<td>3</td>
</tr>
<tr>
<td>HIST 235</td>
<td>History of Ethnic Groups in the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 240</td>
<td>History of Ethnic Groups in CALIFORNIA</td>
<td>3</td>
</tr>
<tr>
<td>HIST 244</td>
<td>African American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 248</td>
<td>Women and The American Experience</td>
<td>3</td>
</tr>
<tr>
<td>HIST 310</td>
<td>California History</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 200 *</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 210 *</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 110</td>
<td>Mass Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 280 *</td>
<td>Introduction to Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 115</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 130</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 150</td>
<td>Intro to Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 200</td>
<td>National, State &amp; Local Govt</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 210</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 280 *</td>
<td>Introduction to Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 301 *</td>
<td>California State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 110 *</td>
<td>Courtship, Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 200</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 220</td>
<td>Introduction to Psychobiology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 268</td>
<td>Black Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 300</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 301 *</td>
<td>Psychology of Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 390</td>
<td>Psychology of Consciousness</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 410</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 100</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 105</td>
<td>Contemporary Social Issues</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 110</td>
<td>Courtship, Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 141</td>
<td>Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 142</td>
<td>Filipina/o Community Issues</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 143</td>
<td>Sociology of Migration and Immigration</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 201 *</td>
<td>Sociology of Health and Medicine</td>
<td>3</td>
</tr>
<tr>
<td>SOCS 270</td>
<td>The Civil Rights Movement</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: The following pairs are the same course: ECE. 201 and PSYC 201, PHIL 280 and PLSC 280, PSYC 110 and SOCI 110

Total Required Major Units: 18

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

TRANSFER NOTES

1. All courses listed in the six areas of emphasis options are transferable to either the University of California (UC), the California State University (CSU), or both UC and CSU. Courses that are transferable only to CSU are marked with an asterisk (*).
2. All courses may be applied to the appropriate areas of the CSU General Education Breadth and/or the UC General Education (IGETC) patterns (See Transfer Planning section of this catalog).

**JOURNALISM**

**AA Associate in Arts Degree Program**
Journalism. 60 units

**AA-T Associate in Arts Degree for Transfer**
Journalism for Transfer. 60 units

**CA Certificate of Achievement**
Journalism. 24 units

**AA Journalism**

The Journalism program seeks to prepare students to enter the workforce in journalism and its related fields (such as public relations and advertising) and to offer job retraining to matriculated students making a career switch or needing to meet the changing technological demands of the field. The program also seeks to prepare students to transfer to four-year institutions as journalism majors and to train students to be media-literate members of the community.

Instruction is supplemented by hands-on experience working for the student newspaper, The Skyline View, a bi-weekly publication. Students also attend local and regional conferences and have opportunities to pursue internships and jobs in the field.

The degree and certificate programs prepare the student for such careers as newspaper and magazine reporting, writing, and editing; technical writing; copyediting; advertising; and public relations.

**Note:** A grade of C or better is required in all Journalism courses for both the Associate Degree and the Certificate.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Define how convergence has impacted journalism, particularly print journalism, and identify ways to adapt practices and content to that impact.
2. Effectively communicate information through a variety of platforms, including the Internet and mobile computing.

3. Write publishable articles.

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 110 Mass Media and Society</td>
<td>3 units</td>
</tr>
<tr>
<td>JOUR 120 Writing and Reporting for the Media</td>
<td>3 units</td>
</tr>
<tr>
<td>JOUR 320 Beginning Newspaper Staff</td>
<td>3 units</td>
</tr>
<tr>
<td>JOUR 330 Intermediate Newspaper Staff</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Plus a minimum of 12 units from the following:**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 351 Black and White Photography I</td>
</tr>
<tr>
<td>BCM. 225 Spreadsheets I: Excel</td>
</tr>
<tr>
<td>BCM. 226 Spreadsheets II: Excel</td>
</tr>
<tr>
<td>ENGL 161 Creative Writing I</td>
</tr>
<tr>
<td>JOUR 121 Advanced Writing and Reporting for the Media</td>
</tr>
<tr>
<td>JOUR 340 Intermediate Advanced Newspaper Staff</td>
</tr>
<tr>
<td>JOUR 350 Advanced Newspaper Staff</td>
</tr>
<tr>
<td>JOUR 695 Independent Study in Journalism</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 24**

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

**AA-T Journalism for Transfer**

**Required Core Course (9 units)**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 110 Mass Media and Society</td>
</tr>
<tr>
<td>JOUR 120 Writing and Reporting for the Media</td>
</tr>
<tr>
<td>JOUR 320 Beginning Newspaper Staff</td>
</tr>
</tbody>
</table>

**List A: Select one course from the following (3 units)**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 121 Advanced Writing and Reporting for the Media</td>
</tr>
<tr>
<td>OR JOUR 330 Intermediate Newspaper Staff</td>
</tr>
</tbody>
</table>

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### List B: Select two courses from the following (6-7 units)

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 units</td>
<td>ART 351</td>
<td>Black and White Photography I</td>
</tr>
<tr>
<td>3 units</td>
<td>COMM 127</td>
<td>Argumentation and Debate</td>
</tr>
<tr>
<td>3 units</td>
<td>ECON 100</td>
<td>Principles of Macro Economics</td>
</tr>
<tr>
<td>OR</td>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>3 units</td>
<td>ENGL 165</td>
<td>Composition, Argument and Critical Thinking</td>
</tr>
<tr>
<td>4 units</td>
<td>MATH 200</td>
<td>Elementary Probability &amp; Statistics</td>
</tr>
<tr>
<td>3 units</td>
<td>PHIL 200</td>
<td>Introduction to Logic</td>
</tr>
<tr>
<td>3 units</td>
<td>PLSC 115</td>
<td>Comparative Government</td>
</tr>
<tr>
<td>3 units</td>
<td>PLSC 200</td>
<td>National, State and Local Government</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 18 - 19**

**General Education** - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
  - Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

*Please refer to Associate Degree for Transfer (ADT) Requirements for more information.*

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### KINESIOLOGY

**AA-T Associate in Arts Degree for Transfer**

Kinesiology for Transfer.................................60 units

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**AA-T Kinesiology for Transfer**

The Associate in Arts in Kinesiology for Transfer degree (AA-T) prepares students for careers in fitness and health-related fields. Course topics include basic human anatomy and physiology, the field of kinesiology and its sub-disciplines, socio-cultural and historical influences and impacts of kinesiology, athletic injury care, and nutrition. Courses offered are transferable as lower division coursework toward a bachelor's degree in Kinesiology. Upon completion of the degree, students will have a solid foundation of knowledge upon which to build in their selected sub-discipline of Kinesiology.

The Associate in Arts Degree 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 an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the...
CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

**Career Opportunities**

The Associate in Arts in Kinesiology for Transfer degree (AA-T) prepares students for careers in fitness and health-related fields.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Critically analyze anatomical and physiological factors in the development of exercise prescription, prevention and rehabilitation designed to meet individual goals and circumstances.
2. Identify career and/or educational options in Kinesiology and formulate an action plan to successfully pursue and attain those options.
3. Describe the historical, social and psychological aspects of activity and sport in the context of society.
4. Demonstrate competence, through participation in distinct areas of activity, in the skills and principles of the activity and its relation to personal, social, intellectual and emotional development.

Complete the following courses (15 units - See below):

**Required Core Courses**

<table>
<thead>
<tr>
<th>Group A (12 units):</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 100 Introduction to Kinesiology</td>
<td>3 units</td>
</tr>
<tr>
<td>BIOL 250 Human Anatomy</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 260 Human Physiology</td>
<td>5 units</td>
</tr>
</tbody>
</table>

Select 3 units from the following with a maximum of one (1) unit from any one area: Combatives, Dance, Fitness, Individual Sports and Team Sports

<table>
<thead>
<tr>
<th>Group B (3 units): Movement Based Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combatives</td>
<td></td>
</tr>
<tr>
<td>COMB 301 Beginning Wrestling</td>
<td>1 unit</td>
</tr>
<tr>
<td>COMB 302 Intermediate Wrestling</td>
<td>1 unit</td>
</tr>
<tr>
<td>COMB 401.1 Self Defense I</td>
<td>1 unit</td>
</tr>
<tr>
<td>COMB 401.2 Self Defense II</td>
<td>1 unit</td>
</tr>
<tr>
<td>COMB 401.3 Self Defense III</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

| Dance                                   |       |
| COMB 401.4 Self Defense IV              | 1 unit |

| Dance                                   |       |
| DANC 121.1 Contemporary Modern Dance I | 1 unit |
| DANC 121.2 Contemporary Modern Dance II | 1 unit |
| DANC 121.3 Contemporary Modern Dance III| 1 unit |
| DANC 121.4 Contemporary Modern Dance IV | 1 unit |

<p>| Dance                                   |       |
| DANC 130.1 Jazz Dance I: Lyrical, Pop &amp; Broadway | 1 unit |
| DANC 130.2 Jazz Dance II – Lyrical, Pop and Broadway | 1 unit |
| DANC 130.3 Jazz Dance III – Lyrical, Pop and Broadway | 1 unit |
| DANC 130.4 Jazz Dance IV – Lyrical, Pop and Broadway | 1 unit |
| DANC 140.1 Ballet I                      | 1 unit |
| DANC 140.2 Ballet II                     | 1 unit |
| DANC 140.3 Ballet III                    | 1 unit |
| DANC 140.4 Ballet IV                     | 1 unit |
| DANC 152.1 Cuban Salsa I                 | 1 unit |
| DANC 152.2 Cuban Salsa II                | 1 unit |
| DANC 152.3 Cuban Salsa III               | 1 unit |
| DANC 152.4 Cuban Salsa IV                | 1 unit |
| DANC 161 Tango Argentino                 | 1 unit |
| DANC 162 Tango Milonga                   | 1 unit |
| DANC 163 Tango Buenos Aires              | 1 unit |
| DANC 164 Tango De La Confiteria          | 1 unit |
| DANC 350.1 Cardio Dance I                | 1 unit |
| DANC 350.2 Cardio Dance II               | 1 unit |
| DANC 350.3 Cardio Dance III              | 1 unit |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANC 350.4</td>
<td>Cardio Dance IV</td>
<td>1</td>
</tr>
<tr>
<td>INDV 101.2</td>
<td>Archery II</td>
<td>1</td>
</tr>
<tr>
<td>INDV 101.3</td>
<td>Archery III</td>
<td>1</td>
</tr>
<tr>
<td>INDV 101.4</td>
<td>Archery IV</td>
<td>1</td>
</tr>
<tr>
<td>INDV 121.1</td>
<td>Badminton I</td>
<td>1</td>
</tr>
<tr>
<td>INDV 121.2</td>
<td>Badminton II</td>
<td>1</td>
</tr>
<tr>
<td>INDV 121.3</td>
<td>Badminton III</td>
<td>1</td>
</tr>
<tr>
<td>INDV 121.4</td>
<td>Badminton IV</td>
<td>1</td>
</tr>
<tr>
<td>INDV 126</td>
<td>Coed Club Badminton</td>
<td>1</td>
</tr>
<tr>
<td>INDV 160.1</td>
<td>Golf I</td>
<td>1</td>
</tr>
<tr>
<td>INDV 160.2</td>
<td>Golf II</td>
<td>1</td>
</tr>
<tr>
<td>INDV 160.3</td>
<td>Golf III</td>
<td>1</td>
</tr>
<tr>
<td>INDV 160.4</td>
<td>Golf IV</td>
<td>1</td>
</tr>
<tr>
<td>INDV 251.1</td>
<td>Tennis I</td>
<td>1</td>
</tr>
<tr>
<td>INDV 251.2</td>
<td>Tennis II</td>
<td>1</td>
</tr>
<tr>
<td>INDV 251.3</td>
<td>Tennis III</td>
<td>1</td>
</tr>
<tr>
<td>INDV 251.4</td>
<td>Tennis IV</td>
<td>1</td>
</tr>
<tr>
<td>TEAM 111.1</td>
<td>Basketball I</td>
<td>1</td>
</tr>
<tr>
<td>TEAM 111.2</td>
<td>Basketball II</td>
<td>1</td>
</tr>
<tr>
<td>TEAM 111.3</td>
<td>Basketball III</td>
<td>1</td>
</tr>
<tr>
<td>TEAM 111.4</td>
<td>Basketball IV</td>
<td>1</td>
</tr>
<tr>
<td>TEAM 132.1</td>
<td>Flag Football I</td>
<td>1</td>
</tr>
<tr>
<td>TEAM 132.2</td>
<td>Flag Football II</td>
<td>1</td>
</tr>
<tr>
<td>TEAM 132.3</td>
<td>Flag Football III</td>
<td>1</td>
</tr>
</tbody>
</table>
MASSAGE THERAPY

CA Certificate of Achievement
Massage Therapy..................................................... 32 - 38 units

CA Massage Therapy

This Certificate of Achievement in Massage Therapy, which can be completed in two semesters, is designed to provide students and professionals alike with the well-rounded entry level knowledge, skills, and academic depth necessary for massage therapy positions in a variety of settings. Through completion of this 600-hour program, students will have met the minimum 500 hours of training and practice required to be eligible to take the MBLEX (Massage and Bodywork Licensing Exam), which upon passing, allows students to apply for candidacy to attain certification through the CaliforniaMassage Therapy Council (CAMTC). Students can further pursue areas of interest and specialization for advanced certificates associated with holistic, complementary, alternative and integrative medicine in a variety of therapies and modalities.

Skyline College is CAMTC approved #SCH0120.

Attendance and/or graduation from a California Massage Therapy Council approved school does not guarantee certification by CAMTC. Applicants for certification shall meet all requirements as listed in California Business and Professions Code section 4600 et. seq. For more information or further questions please contact California Massage Therapy Council at One Capitol Mall, Suite 800, Sacramento, CA 95814, www.camtc.org, phone (916) 669-5336, or fax (916) 669-5337.

An example of possible courses offered in sequence for full time (part time modified course sequence is also available):

- Fall semester: WELL 700, WELL 703, WELL 704, WELL 725, Electives
- Spring semester: WELL 705, WELL 708, WELL 710, WELL 711, WELL 740, Electives

Career Opportunities

List A (select two): 7-9 units

Required Electives

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 200</td>
<td>Elem Probability &amp; Statistics</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 130</td>
<td>Human Biology</td>
<td>3 units</td>
</tr>
<tr>
<td>CHEM 410</td>
<td>Chemistry for Health Sciences</td>
<td>4 units</td>
</tr>
<tr>
<td>OR</td>
<td>CHEM 210</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>PHYS 210</td>
<td>General Physics I</td>
<td>4 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 22 - 24

General Education - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 7-10 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.
Program Learning Outcomes
Students completing this program will be able to:

1. Competently articulate knowledge and functional application of anatomy, physiology, pathology and kinesiology.
2. Demonstrate professional standards, scope of practice, ethics, boundaries, business and legal practices in the massage profession.
3. Demonstrate proficiency of massage client intakes, assessments, treatment strategies and implementation of massage techniques.
4. Differentiate the history, definition, and scope of massage therapy and its pivotal role in Complementary, Alternative and Integrative Medicine.

For gainful employment information, see this program’s gainful employment website.

<table>
<thead>
<tr>
<th>Required Courses:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELL 700</td>
<td>Massage Theory and Practice I</td>
</tr>
<tr>
<td>WELL 703</td>
<td>Holistic Health Science</td>
</tr>
<tr>
<td>WELL 704</td>
<td>Massage Techniques and Clinical/Spa Experience</td>
</tr>
<tr>
<td>WELL 705</td>
<td>Massage Theory and Practice II</td>
</tr>
<tr>
<td>WELL 708</td>
<td>Pathology and Pharmacology for Massage Therapists</td>
</tr>
<tr>
<td>WELL 710</td>
<td>Clinical Kinesiology and Applied Biomechanics for Manual Therapy</td>
</tr>
<tr>
<td>WELL 711</td>
<td>Sports Medicine and Manual Therapy</td>
</tr>
<tr>
<td>WELL 713</td>
<td>Asian Bodywork Traditions Theory and Practice</td>
</tr>
<tr>
<td>WELL 725</td>
<td>Introduction to Consciousness, Intent and Meditation</td>
</tr>
<tr>
<td>WELL 740</td>
<td>Conscious Eating: A Sustainable Approach to Health and Healing</td>
</tr>
</tbody>
</table>

Select 3-9 units from the following: |

| WELL 706 | Introduction to Reflexology | 1 unit |
| WELL 707 | Foundations of Aromatherapy and Essential Oils | 2 units |
| WELL 714 | Massage Therapy Exam Preparation | 2 units |
| WELL 715 | Integrated Massage and Manual Therapy Techniques | 3 units |
| WELL 717 | Oncology Massage | 2 units |

WELL 718 Stress Management Techniques for Health and Wellness | 3 units |
WELL 721 Foundations of Ayurvedic and Chinese Medicine Theory | 3 units |
WELL 723 Ayurvedic Aromatherapy | 1 unit |
WELL 730 Global Perspectives of Meditation | 3 units |
WELL 731 Introduction to Sound Healing | 1 unit |
WELL 732 Introduction to Qigong/Qi Gong | 0.5 units |
WELL 733 Tai Chi for Health | 1 unit |
WELL 742 Herbal/Botanical Medicine and Ethnobotany | 3 units |

Total Required Units: 32 - 38

MATHEMATICS

AA Associate in Arts Degree Program
Mathematics..............................................................60 units

AS-T Associate in Science Degree for Transfer
Mathematics for Transfer..............................................60 units

AA Mathematics

Program Learning Outcomes
Students completing this program will be able to:

1. Analyze multiple representations of quantitative information, including graphical, formulaic, numerical and verbal.
2. Demonstrate problem-solving skills. Interpret the meaning of numerical answers.
3. Use methods of logic to support a claim using data, formulas and mathematical reasoning.

Required Core Courses

<table>
<thead>
<tr>
<th>Select 18 units from the following:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 251</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>MATH 252</td>
<td>Calculus with Analytic Geometry II</td>
</tr>
<tr>
<td>MATH 253</td>
<td>Calculus with Analytic Geometry III</td>
</tr>
</tbody>
</table>
MATH 270  Linear Algebra  3 units
MATH 275  Ordinary Differential Equations  3 units

Plus 3 units in Computer Programming:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 155</td>
<td>Computer Programming Visual Basic</td>
<td>3 units</td>
</tr>
<tr>
<td>COMP 250</td>
<td>Programming Methods I: C++</td>
<td>3 units</td>
</tr>
<tr>
<td>COMP 252</td>
<td>Data Structures: C++</td>
<td>3 units</td>
</tr>
<tr>
<td>COMP 284</td>
<td>Introduction to Object-Oriented Programming: Java</td>
<td>3 units</td>
</tr>
<tr>
<td>COMP 286</td>
<td>Data Structures: Java</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Plus at least 3 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 200</td>
<td>Elementary Probability &amp; Statistics</td>
<td>4 units</td>
</tr>
<tr>
<td>MATH 201</td>
<td>Math in Society</td>
<td>3 units</td>
</tr>
<tr>
<td>MATH 270</td>
<td>Linear Algebra</td>
<td>3 units</td>
</tr>
<tr>
<td>MATH 275</td>
<td>Ordinary Differential Equations</td>
<td>3 units</td>
</tr>
<tr>
<td>PHYS 250</td>
<td>Physics with Calculus I</td>
<td>4 units</td>
</tr>
<tr>
<td>PHYS 260</td>
<td>Physics with Calculus II</td>
<td>4 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 24
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

AS-T Mathematics for Transfer

This degree is intended for students who are interested in transferring to a California State University (CSU) campus with a major in Mathematics.

The Associate in Science Degree 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 an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. Analyze multiple representations of quantitative information, including graphical, formulaic, numerical and verbal.
2. Demonstrate problem-solving skills. Interpret the meaning of numerical answers.
3. Use methods of logic to support a claim using data, formulas and mathematical reasoning.

Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 251</td>
<td>Calculus with Analytic Geometry I</td>
<td>5 units</td>
</tr>
<tr>
<td>MATH 252</td>
<td>Calculus with Analytic Geometry II</td>
<td>5 units</td>
</tr>
<tr>
<td>MATH 253</td>
<td>Calculus with Analytic Geometry III</td>
<td>5 units</td>
</tr>
</tbody>
</table>

List A: Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 270</td>
<td>Linear Algebra</td>
<td>3 units</td>
</tr>
<tr>
<td>MATH 275</td>
<td>Ordinary Differential Equations</td>
<td>3 units</td>
</tr>
<tr>
<td>PHYS 250</td>
<td>Physics with Calculus I</td>
<td>4 units</td>
</tr>
</tbody>
</table>

List B: Select one additional course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 200</td>
<td>Elementary Probability &amp; Statistics</td>
<td>4 units</td>
</tr>
<tr>
<td>MATH 270</td>
<td>Linear Algebra</td>
<td>3 units</td>
</tr>
<tr>
<td>MATH 275</td>
<td>Ordinary Differential Equations</td>
<td>3 units</td>
</tr>
<tr>
<td>PHYS 250</td>
<td>Physics with Calculus I</td>
<td>4 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 21 - 22

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.
A total of 9 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

MUSIC

**AA Associate in Arts Degree Program**
Music................................................................. 60 units

**AA-T Associate in Arts Degree for Transfer**
Music for Transfer.................................................. 60 units

**AA Music**

The Associate of Arts Degree in Music provides technical and artistic foundations to students interested in pursuing careers in music and music-related fields. In addition to basic courses in reading and writing music, students gain beginning performance skills through class instruction on an instrument (or voice) and as part of a music ensemble. Studies in the aesthetic and historical traditions of various music cultures provide students with an introductory knowledge of the roles and functions of music in society. This degree can also serve as the preparation for additional music studies or degrees (such as the AA-T in Music) for students wishing to transfer to a baccalaureate degree program as a music major.

**Career Opportunities**
Possible eventual careers may include music performer, music composer or arranger, music conductor or director, music educator or researcher, arts administrator (for schools, performing organizations, or media outlets), music journalist, musician manager or promoter, music event manager or producer, music retailer, live audio or recorded music producer or technician, DJ, music copyist or engraver, music publisher, instrument builder or tuner, and music law specialist (such as entertainment or copyright lawyer and music licensing consultant).

**Program Learning Outcomes**
Students completing this program will be able to:

1. Demonstrate technical fluency, artistic growth, and personal enrichment in musical performance on a given instrument and/or voice in a solo and/or ensemble context along with an introductory keyboard proficiency.
2. Analyze and interpret common elements and underlying structures of Western music and use these components to compose music, sight-read music, and/or notate music upon listening.
3. Distinguish a range of music cultures through recognition of the scope, variety, structure, and form of musical works from these cultures, awareness of historical and social contexts of these cultures, and ability to respond critically to musical works in these cultures by articulating an informed personal reaction.

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS. 100 Fundamentals of Music</td>
<td>3 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MUS. 107 Music Theory III</td>
<td>3 units</td>
</tr>
<tr>
<td>MUS. 105 Music Theory I</td>
<td>3 units</td>
</tr>
<tr>
<td>MUS. 106 Music Theory II</td>
<td>3 units</td>
</tr>
<tr>
<td>MUS. 111 Musicianship I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 112 Musicianship II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 301 Piano I</td>
<td>2 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MUS. 205 History, Theory and Practice: Piano and the Keyboard</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Select 3 units from the following:**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS. 115 Music, Art and Ideas</td>
</tr>
<tr>
<td>MUS. 202 Music Appreciation</td>
</tr>
<tr>
<td>MUS. 204 Music History</td>
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</table>

**Select 3 units from the following:**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS. 100 Fundamentals of Music *</td>
</tr>
<tr>
<td>MUS. 250 World Music</td>
</tr>
<tr>
<td>MUS. 275 History of Jazz</td>
</tr>
<tr>
<td>MUS. 276 Hip Hop: Culture and Politics</td>
</tr>
<tr>
<td>MUS. 277 African American Music</td>
</tr>
<tr>
<td>MUS. 290 Introduction to MIDI Music</td>
</tr>
<tr>
<td>(Musical Instrument Digital Interface)</td>
</tr>
<tr>
<td>MUS. 294 Introduction to Music Technology</td>
</tr>
<tr>
<td>MUS. 299 Electronic Music Production</td>
</tr>
</tbody>
</table>

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2019-2020 Catalog
Select 4 units from the following:  

<table>
<thead>
<tr>
<th>Units</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS. 302 Piano II</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 303 Piano III</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 304 Piano IV</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 355 Violin/Viola I</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 356 Violin/Viola II</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 357 Violin/Viola III</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 358 Violin/Viola IV</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 377 Guitar I</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 378 Guitar II</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 379 Guitar III</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 380 Guitar IV</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 401 Voice I</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 402 Voice II</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 403 Voice III</td>
<td>2 units</td>
</tr>
<tr>
<td>MUS. 404 Voice IV</td>
<td>2 units</td>
</tr>
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</table>

Select 4 units from the following:  

<table>
<thead>
<tr>
<th>Units</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS. 430.1 Concert Band I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 430.2 Concert Band II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 430.3 Concert Band III</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 430.4 Concert Band IV</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 440.1 Symphony Orchestra I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 440.2 Symphony Orchestra II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 440.3 Symphony Orchestra III</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 440.4 Symphony Orchestra IV</td>
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</tr>
<tr>
<td>MUS. 450.1 Jazz Band I</td>
<td>1 unit</td>
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<td>MUS. 450.2 Jazz Band II</td>
<td>1 unit</td>
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<tr>
<td>MUS. 450.3 Jazz Band III</td>
<td>1 unit</td>
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<tr>
<td>MUS. 450.4 Jazz Band IV</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 470.1 Concert Choir I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 470.2 Concert Choir II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 470.3 Concert Choir III</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 470.4 Concert Choir IV</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 485.1 Vocal Jazz Ensemble I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 485.2 Vocal Jazz Ensemble II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 485.3 Vocal Jazz Ensemble III</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 485.4 Vocal Jazz Ensemble IV</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

* MUS. 100 may only be taken as an elective if MUS. 107 was selected as the Required Core Course.

Total Required Major Units: 27 - 28
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

**AA-T Music for Transfer**

The courses of the Music Department are specifically designed to fill the needs of beginners in music, those who are seeking a career in the music business, those who are preparing to transfer to a university, those who want to teach music, and those who simply want to enhance their musical enjoyment. Students may be asked to audition or test for placement in sequential courses.

The Associate in Arts in Music for Transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing an Associate in Arts in Music for Transfer are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the Associate in Arts in Music for Transfer will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

The Skyline College Associate in Arts in Music for Transfer is designed to facilitate successful transfer to baccalaureate music degree programs at a CSU. This degree provides students with the lower division coursework to transfer to a B.A. or B.M. in music.

To earn an AA-T degree, students must meet the following requirements:

1. Complete a minimum of 60 CSU transferable units;
2. Earn a minimum grade point average (GPA) of at least a 2.0 in all CSU transferable coursework;
3. Complete a minimum of 18 units in an "AA-T" major. Note: All courses in the major must be completed with a grade of "C" or better. A "P" (Pass) grade is not an acceptable grade for the courses in the major.
4. Completion of the California State University General Education-Breadth (CSU GE Breadth) or the Intersegmental General Education Curriculum (IGETC) pattern.

**Note:** For further information, please consult a Skyline College counselor.

**Career Opportunities**

This degree is designed to prepare students to demonstrate competence and discipline in the study of music in all of its facets, read and audiate music, and demonstrate proficiency in ensemble skills and solo performance skills. While a baccalaureate degree is recommended for a possible career in music performance, music education, music production, and music business, completion of this curriculum will demonstrate commitment to the serious study of Music in practice and in theory, and provide comprehensive preparation for upper-division work.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Demonstrate basic technical fluency, artistic growth, and personal enrichment in musical performance on a given instrument and/or voice in a solo and/or ensemble context along with an introductory keyboard proficiency.
2. Demonstrate an understanding of common elements and underlying structures of Western music through written composition and analysis as well as sight-reading and dictation.
3. Demonstrate an acquaintance with a range of music cultures through an awareness of the scope, variety, structure, and form of the works in these cultures, a basic understanding of the historical and social contexts of these cultures, and the ability to respond critically to musical works in these cultures by articulating an informed personal reaction.

**Required Core Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS. 105</td>
<td>Music Theory I</td>
<td>3 units</td>
</tr>
<tr>
<td>MUS. 106</td>
<td>Music Theory II</td>
<td>3 units</td>
</tr>
<tr>
<td>MUS. 107</td>
<td>Music Theory III</td>
<td>3 units</td>
</tr>
<tr>
<td>MUS. 108</td>
<td>Music Theory IV</td>
<td>3 units</td>
</tr>
<tr>
<td>MUS. 111</td>
<td>Musicianship I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 112</td>
<td>Musicianship II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 113</td>
<td>Musicianship III</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 114</td>
<td>Musicianship IV</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 501</td>
<td>Studio Lessons I (Applied Music I)</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 502</td>
<td>Studio Lessons II (Applied Music II)</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 503</td>
<td>Studio Lessons III (Applied Music III)</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 504</td>
<td>Studio Lessons IV (Applied Music IV)</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

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NOTE: Skyline College Associate Degree requirements.

Students must use the CSU General Education pattern (IGETC/CSU) pattern as an option. This degree does not require the Skyline College Associate Degree requirements.

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

* MUS. 105 will be double-counted for CSU GE Area C1.

Students must use the CSU General Education pattern for the Associate in Arts in Music for Transfer. The IGETC pattern is not an option. This degree does not require the Skyline College Associate Degree requirements.

**NOTE:** Most university Music departments require basic piano proficiency.

### Network Engineering Technologies

<table>
<thead>
<tr>
<th>List A - Select four units from the following:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS. 430.1 Concert Band I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 430.2 Concert Band II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 430.3 Concert Band III</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 430.4 Concert Band IV</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 450.1 Jazz Band I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 450.2 Jazz Band II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 450.3 Jazz Band III</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 450.4 Jazz Band IV</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 470.1 Concert Choir I</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 470.2 Concert Choir II</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 470.3 Concert Choir III</td>
<td>1 unit</td>
</tr>
<tr>
<td>MUS. 470.4 Concert Choir IV</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

**Total Required Major Units:** 24

### General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

### Network Engineering Degree Program

The Network Engineering Program prepares graduates to enter the workforce as a PC Support Specialist, entry level Networks System Administrator, and its related fields. A Certificate of Completion and Associate of Science Degree are available. The program's focus is on direct employment skills and knowledge as a foundation in small to medium scale network infrastructure. Students will design, implement, manage and troubleshoot current industry equipment in real world scenario. The Certificate of Achievement and Degree are focused on developing entry-level careers and updating existing careers.

### Career Opportunities

Completion of this Associate Degree will provide students with the knowledge and skills to analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system, and to perform network maintenance to ensure networks operate correctly with minimal interruption. Jobs include Network Support Technician and Computer Network Support Specialist.

### Program Learning Outcomes

Students completing this program will be able to:

1. Develop the skills and knowledge required for entry level positions within the networking technology field and related fields.
2. Expand their skills and knowledge for possible advancement within their field for those currently employed in the industry.
3. Obtain Information Technology industry-recognized certifications.

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 110</td>
<td>Fundamentals of Electronics</td>
<td>4 units</td>
</tr>
<tr>
<td>NETX 400</td>
<td>Introduction to Local Area Network</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 420</td>
<td>PC Configuration and Repair</td>
<td>6 units</td>
</tr>
<tr>
<td>NETX 430</td>
<td>Introduction to Routers</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 431</td>
<td>Network Switches - Concepts and Applications</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 432</td>
<td>Routing Concepts and Applications</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 435</td>
<td>Network Security</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 439</td>
<td>Troubleshooting the Internetwork</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 440</td>
<td>Introduction to Microsoft Server Administration</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Plus a minimum of 6 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NETX 401</td>
<td>Survey of Networking and Wireless Technologies</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 410</td>
<td>Structured Wiring and Cabling</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 411</td>
<td>Fiber Optics Technology</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 413</td>
<td>Wireless Local Area Networks</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 421</td>
<td>A+ Certification Exam Prep</td>
<td>2 units</td>
</tr>
<tr>
<td>NETX 423</td>
<td>Mobile Device Connectivity Support</td>
<td>2 units</td>
</tr>
<tr>
<td>NETX 443</td>
<td>Introduction to Linux Administration</td>
<td>3.5 units</td>
</tr>
<tr>
<td>NETX 450</td>
<td>Voice Over IP (VoIP) Essentials</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 37**

*And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.*

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**Network Engineering**

For gainful employment information, see this program's gainful employment website.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 110</td>
<td>Fundamentals of Electronics 4 units</td>
</tr>
<tr>
<td>NETX 400</td>
<td>Introduction to Local Area Network 3 units</td>
</tr>
<tr>
<td>NETX 420</td>
<td>PC Configuration and Repair 6 units</td>
</tr>
<tr>
<td>NETX 430</td>
<td>Introduction to Routers 3 units</td>
</tr>
<tr>
<td>NETX 431</td>
<td>Network Switches - Concepts and Applications 3 units</td>
</tr>
<tr>
<td>NETX 432</td>
<td>Routing Concepts and Applications 3 units</td>
</tr>
<tr>
<td>NETX 435</td>
<td>Network Security 3 units</td>
</tr>
<tr>
<td>NETX 439</td>
<td>Troubleshooting the Internetwork 3 units</td>
</tr>
<tr>
<td>NETX 440</td>
<td>Introduction to Microsoft Server Administration 3 units</td>
</tr>
</tbody>
</table>

Plus a minimum of 6 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NETX 401</td>
<td>Survey of Networking and Wireless Technologies</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 410</td>
<td>Structured Wiring and Cabling</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 411</td>
<td>Fiber Optics Technology</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 413</td>
<td>Wireless Local Area Networks</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 421</td>
<td>A+ Certification Exam Prep</td>
<td>2 units</td>
</tr>
<tr>
<td>NETX 423</td>
<td>Mobile Device Connectivity Support</td>
<td>2 units</td>
</tr>
<tr>
<td>NETX 443</td>
<td>Introduction to Linux Administration</td>
<td>3.5 units</td>
</tr>
<tr>
<td>NETX 450</td>
<td>Voice Over IP (VoIP) Essentials</td>
<td>3 units</td>
</tr>
</tbody>
</table>

**Total Required Units: 37**

---

**Advanced Computer User Support**

This endorsement provides an opportunity for short term study. It is verification that students have achieved a specific level of competency in a selected area of entry-level
employment. Students may achieve this endorsement on their own or while completing their studies for degrees or certificates.

**Career Opportunities**
Completion of this certificate will provide students with advanced skills in supporting end users of computer hardware, software, and services, including printing, software installation, e-mail, operating systems and basic networking. Jobs include Help Desk, IT Technician, and Computer Support Technician.

**Program Learning Outcomes**
Students completing this program will be able to:
1. Install and troubleshoot data cabling systems, network distribution panels, and hybrid premises cabling systems.
2. Build, troubleshoot and repair a server-administrated LAN using industry accepted methodology and tools
3. Upgrade and troubleshoot computer hardware and software

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NETX 400</td>
<td>Introduction to Local Area Network</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 410</td>
<td>Structured Wiring and Cabling</td>
<td>3 units</td>
</tr>
<tr>
<td>NETX 420</td>
<td>PC Configuration and Repair</td>
<td>6 units</td>
</tr>
<tr>
<td>NETX 440</td>
<td>Introduction to Microsoft Server</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Total Required Units: 15

**Wiring and Installation**

This endorsement provides an opportunity for short term study. It is verification that students have achieved a specific level of competency in a selected area of entry-level employment. Students may achieve this endorsement on their own or while completing their studies for degrees or certificates.

**Career Opportunities**
Completion of this certificate will provide students with basic skills in the planning, installation, and troubleshooting of copper and fiber data and network cabling systems. Jobs include Premises Cabling Technician, Fiber Optics Technician, and Telecommunications Equipment Installers.

**Program Learning Outcomes**
Students completing this program will be able to:
1. Assemble and troubleshoot simple series and parallel circuits, using standard tools and test equipment, while obeying recognized work safety guidelines.
2. Install, test, and troubleshoot structured copper cabling systems for network data, PoE, and hybrid network infrastructures.
3. Test, troubleshoot and repair fiber optic systems using industry standard tools

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 110</td>
<td>Fundamentals of Electronics</td>
<td>4 units</td>
</tr>
<tr>
<td>NETX 420</td>
<td>PC Configuration and Repair</td>
<td>6 units</td>
</tr>
</tbody>
</table>

Total Required Units: 10

**Entry Level Computer User Support**

This endorsement provides an opportunity for short term study. It is verification that students have achieved a specific level of competency in a selected area of entry-level employment. Students may achieve this endorsement on their own or while completing their studies for degrees or certificates.

**Career Opportunities**
Completion of this certificate will provide students with fundamental skills in understanding and troubleshooting hardware and software configurations of computers. Employment opportunities include Computer Hardware Technician, Entry Level Help Desk Support, and Computer Retail Sales.

**Program Learning Outcomes**
Students completing this program will be able to:
1. Demonstrate skills to troubleshoot, configure, and repair personal computers.
2. Assemble and troubleshoot simple series and parallel circuits, using standard tools and test equipment, while obeying recognized work safety guidelines.
3. Pass written exams covering theory and practice similar to the A+ certification

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 110</td>
<td>Fundamentals of Electronics</td>
<td>4 units</td>
</tr>
<tr>
<td>NETX 420</td>
<td>PC Configuration and Repair</td>
<td>6 units</td>
</tr>
</tbody>
</table>

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Total Required Units: 10

PARALEGAL STUDIES

**AA Associate in Arts Degree Program**
Paralegal, Legal Assistant............................ 60 units

**CA Certificate of Achievement**
Paralegal, Legal Assistant............................ 27 units

**AA Paralegal, Legal Assistant**

The Paralegal, Legal Assistant Associate's Degree and Paralegal, Legal Assistant Certificate programs prepare students for careers as paralegals, legal assistants, and legal support professionals.

Certification Eligibility Requirements: Paralegal Studies Program. In adherence with the American Bar Association's Guidelines for the Approval of Paralegal Education Programs, to earn a Certificate or an Associate of Arts in Paralegal Studies, all students must take at least ten semester credits of legal specialty courses through traditional classroom instruction at Skyline College. This requirement applies to all students including those seeking to transfer credits from another institution. For more information, visit: http://www.americanbar.org/groups/paralegals.html.

**Career Opportunities**

The Paralegal Studies degree and certificate provide career opportunities for paralegals, legal secretaries, legal assistants, and all other legal support professionals.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Identify, explain, and give examples of key elements of U.S. law, legal systems, ethical considerations, and/or professional procedures.
2. Effectively perform legal skills such as research, use of technology, information literacy, communication, and critical thinking.
3. Demonstrate an understanding of and ability to adhere to ethical expectations for paralegals.

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEGL 240 Introduction to Law</td>
<td>3 units</td>
</tr>
<tr>
<td>LEGL 245 Paralegal Profession I</td>
<td>3 units</td>
</tr>
<tr>
<td>LEGL 247 Paralegal Profession II</td>
<td>3 units</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEGL 240</td>
<td>Introduction to Law</td>
</tr>
<tr>
<td>LEGL 245</td>
<td>Paralegal Profession I</td>
</tr>
<tr>
<td>LEGL 247</td>
<td>Paralegal Profession II</td>
</tr>
<tr>
<td>LEGL 250</td>
<td>Legal Research, Writing, and Analysis I</td>
</tr>
<tr>
<td>LEGL 252</td>
<td>Civil Litigation I</td>
</tr>
<tr>
<td>LEGL 254</td>
<td>Civil Litigation II</td>
</tr>
<tr>
<td>LEGL 430</td>
<td>Law Office Technology</td>
</tr>
<tr>
<td>LEGL 290</td>
<td>Community Legal Services Clinic</td>
</tr>
</tbody>
</table>

Plus a selection of 3 units from the following approved electives:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEGL 260</td>
</tr>
<tr>
<td>LEGL 275</td>
</tr>
<tr>
<td>LEGL 304</td>
</tr>
<tr>
<td>LEGL 306</td>
</tr>
<tr>
<td>LGST 200</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 27**

*And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.*

**CA Paralegal, Legal Assistant**

For gainful employment information, see this program's gainful employment website.
PHILOSOPHY

**AA-T Associate in Arts Degree for Transfer**

Philosophy for Transfer.................................................. 60 units

**AA-T Philosophy for Transfer**

The Associate in Arts in Philosophy for Transfer (AA-T) from Skyline College prepares students for transfer into the CSU system to obtain a degree in Philosophy or a related major. Philosophy degrees are often preparation for post-graduate studies in Philosophy, Law, and other disciplines. The study of Philosophy develops a well-rounded appreciation of the history of ideas and the rich tapestry of intellectual traditions from various cultures, and it provides excellent training in argument analysis and critical thinking.

The Associate in Arts degree for Transfer (AA-T) is intended for students who plan to complete a bachelor’s degree in Philosophy or a related discipline at a CSU campus. Students completing the AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

**Career Opportunities**

Students who graduate with B.A. degrees in Philosophy typically go on to enroll in Masters/PhD programs in Philosophy or other academic programs. It is not uncommon for Philosophy majors to transfer to a Law school. Common pathways lead to careers in education, law, information technology, technical writing, marketing, and journalism.

**Program Learning Outcomes**

Students completing this program will be able to:
1. Demonstrate familiarity with the history of philosophical thought and contemporary currents in the discipline.
2. Assess influential claims and theories in the philosophical tradition using rigorous methods of critical thinking and logic.
3. Compose reasoned essays that respond to philosophical problems or that apply philosophical theory to contemporary issues.

**Required Core (3 units):**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 100 Introduction to Philosophy May be taken as PHIL 100 Honors 3 units</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>PHIL 240 Introduction to Ethics May be taken as PHIL 240 Honors 3 units</td>
</tr>
</tbody>
</table>

**List A (3 units) - Select the following course or any course from the Required Core not already chosen:**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 160 History of Western Philosophy: Ancient and Medieval 3 units</td>
</tr>
</tbody>
</table>
List B (6 units) - Select two courses from the following or from the Required Core not already chosen: Units
  PHIL 312 Introduction to Philosophy of Religion  3 units
  HIST 100 History of Western Civilization I  3 units
  HIST 101 History of Western Civilization II  3 units

List C (3 units) - Select one course from the following or any course from List B not already chosen: Units
  PHIL 280 Introduction to Political Philosophy  3 units
  OR
  PLSC 280 Introduction to Political Philosophy  3 units
  PHIL 300 Intro to World Religions  3 units

Total Required Major Units: 18

General Education - certified completion of one of the following:
  • California State University General Education-Breadth pattern (CSU GE Breadth),
  • OR
  • Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 9 to 12 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

PHYSICAL EDUCATION

AA Associate in Arts Degree Program
Physical Education.......................................................... 60 units

AA Physical Education

The Physical Education major may be used as the basis for careers in teaching, coaching, athletic training, exercise science/fitness, athletic and sports management.

Students intending to earn a Bachelor's degree in physical education/kinesiology should consult early with counselors and current catalogs of the college/university to which they plan to transfer. Specific requirements vary; however institutions usually require that students complete a core of basic sciences and physical education courses as well as general education requirements prior to transfer.

Career Opportunities
Career opportunities include teaching, coaching, athletic training, exercise science and fitness, athletic and sports management.

Program Learning Outcomes

Students completing this program will be able to:
1. ADAPTED: Demonstrate increased muscular strength and endurance, or in the presence of a degenerative disease process, demonstrate either maintained or slowed degradation of muscular strength and endurance in areas where given the "normal" course of the disease, decreased muscle strength and endurance would be expected.
2. COMBATIVES: Demonstrate improvement in areas of fitness as measured by the division Physical Education Evaluation Program (PEEP).
3. COMBATIVES: Demonstrate the fundamental skills, knowledge, etiquette and vocabulary used in the practice and performance of combative activities.
4. COMBATIVES: Recognize the importance of, and practice, participating in regular moderate physical activity for at least 30 minutes a day.
5. DANCE: Provide a more authentic and individualized interpretation of a given dance form through a demonstration of appropriate levels of technique that incorporate cultural elements* of this dance form (*e.g., costume, history, vocabulary, rhythm and music).
6. DANCE: Create and develop unique movement sequences, and collaboratively organize that material into a dance.
7. DANCE: Critically evaluate and objectively discuss dance as a performance art.
8. FITNESS: Demonstrate improvement in areas of fitness as measured by the division Physical Education Evaluation Program (PEEP).
9. FITNESS: Recognize the importance of, and practice, participating in regular moderate physical activity for at least 30 minutes a day.
10. FITNESS: Identify and assess their current fitness level; alter or modify specific wellness or fitness
practices in order to improve body composition/flexibility/cardiovascular fitness/muscular endurance/muscular strength.

11. INDIVIDUAL SPORTS: Identify and assess their current fitness level; alter or modify specific wellness or fitness practices in order to improve body composition/flexibility/cardiovascular fitness/muscular endurance/muscular strength related to performance.

12. INDIVIDUAL SPORTS: Recognize the importance of, and practice, participating in regular moderate physical activity for at least 30 minutes a day.

13. INDIVIDUAL SPORTS: Demonstrate and apply the fundamental skills, knowledge, etiquette and vocabulary used in the practice and performance of individual activities.

14. PHYSICAL EDUCATION/KINESIOLOGY: Identify risk factors for heart disease and stroke, and apply general fitness/wellness principles to minimize risk.

15. PHYSICAL EDUCATION/KINESIOLOGY: Critically analyze anatomical and physiological factors in the development of exercise prescription, prevention and rehabilitation programs designed to meet individual goals and circumstances.

16. PHYSICAL EDUCATION/KINESIOLOGY: Identify career and / or educational options in physical education, and formulate an action plan to successfully pursue and attain those options.

17. PHYSICAL EDUCATION/KINESIOLOGY: Demonstrate an understanding of the historical, social and psychological aspects of activity and sport in the context of society.

18. TEAM SPORTS: Demonstrate improvement in areas of fitness as measured by the division Physical Education Evaluation Program (PEEP).

19. TEAM SPORTS: Demonstrate the fundamental skills, knowledge, etiquette and vocabulary used in the practice and performance of team activities.

20. TEAM SPORTS: Develop individual and team offensive / defensive programs applicable to specific goals, evaluate various techniques for effectiveness, demonstrate skills at an advanced level and apply concepts into practice.

21. VARSITY SPORTS: Demonstrate an expert knowledge of the strategies and skills of the sport; use critical thinking skills to apply this knowledge to a competitive situation in order to contend to the best of one's ability against outside opponents.

22. VARSITY SPORTS: Embody the traits of good sportsmanship and a sense of team in both competition and practice; and demonstrate commitment to academic achievement through work ethic developed in practice and competition.

### Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 130</td>
<td>Human Biology</td>
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### Courses and Units

<table>
<thead>
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<tbody>
<tr>
<td>BIOL 250</td>
<td>Human Anatomy</td>
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<tr>
<td>KINE 100</td>
<td>Introduction to Kinesiology</td>
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</tr>
<tr>
<td>PSYC 100</td>
<td>General Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>KINE 305</td>
<td>Health-Related Fitness and Wellness</td>
<td>3 units</td>
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Plus a minimum of 1 unit from each of 3 different areas from the following:

**ADAPTIVE PHYSICAL EDUCATION (ADAP):**

<table>
<thead>
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<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADAP 358</td>
<td>Adapted Strength Development</td>
<td>0.5 - 1 units</td>
</tr>
<tr>
<td>ADAP 359</td>
<td>Balance and Functional Movement for the Physically Limited</td>
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**COMBATIVES (COMB):**

<table>
<thead>
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<th>Course Title</th>
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<tbody>
<tr>
<td>COMB 105.1</td>
<td>Jiu Jitsu I</td>
<td>0.5 - 1 units</td>
</tr>
<tr>
<td>COMB 105.2</td>
<td>Jiu Jitsu II</td>
<td>0.5 - 1 units</td>
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<tr>
<td>COMB 105.3</td>
<td>Jiu Jitsu III</td>
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<td>COMB 301</td>
<td>Beginning Wrestling</td>
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<tr>
<td>COMB 302</td>
<td>Intermediate Wrestling</td>
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<tr>
<td>COMB 401.1</td>
<td>Self Defense I</td>
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<td>COMB 401.2</td>
<td>Self Defense II</td>
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<td>Self Defense III</td>
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**DANCE (DANC):**

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<th>Units</th>
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<tbody>
<tr>
<td>DANC 121.1</td>
<td>Contemporary Modern Dance I</td>
<td>0.5 - 1 units</td>
</tr>
<tr>
<td>DANC 121.2</td>
<td>Contemporary Modern Dance II</td>
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<tr>
<td>DANC 121.3</td>
<td>Contemporary Modern Dance III</td>
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<tr>
<td>DANC 121.4</td>
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### DEGREES & CERTIFICATES

#### DANC

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>DANC 130.1</td>
<td>Jazz Dance I: Lyrical, Pop &amp; Broadway</td>
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<tr>
<td>DANC 130.2</td>
<td>Jazz Dance II – Lyrical, Pop and Broadway</td>
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</tr>
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<td>DANC 130.3</td>
<td>Jazz Dance III – Lyrical, Pop and Broadway</td>
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<td>DANC 130.4</td>
<td>Jazz Dance IV – Lyrical, Pop and Broadway</td>
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<td>DANC 140.1</td>
<td>Ballet I</td>
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<td>Ballet III</td>
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<tr>
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<td>Creative Dance I</td>
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<tr>
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#### FITN

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<tr>
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<td>Body Conditioning I</td>
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<td>Body Conditioning IV</td>
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<tr>
<td>FITN 166.1</td>
<td>Golf Fitness I</td>
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<tr>
<td>FITN 166.2</td>
<td>Golf Fitness II</td>
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<tr>
<td>FITN 166.3</td>
<td>Golf Fitness III</td>
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<td>FITN 166.4</td>
<td>Golf Fitness IV</td>
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<tr>
<td>FITN 199.1</td>
<td>Interactive Cardiovascular Fitness I</td>
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<td>Interactive Cardiovascular Fitness II</td>
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<td>FITN 201.1</td>
<td>Weight Training I</td>
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<td>Walking Fitness II</td>
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<td>Cardiovascular Development - Running Emphasis III</td>
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<td>Cardiovascular Development - Running Emphasis IV</td>
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<td>Hiking and Trekking for Fitness I</td>
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<tr>
<td>FITN 308.2</td>
<td>Hiking and Trekking for Fitness II</td>
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<td>Hiking and Trekking for Fitness III</td>
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<td>Yoga IV</td>
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<tr>
<td>INDV 121.1</td>
<td>Badminton I</td>
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<td>INDV 126</td>
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### KINESIOLOGY (KINE):

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>KINE 305</td>
<td>Health-Related Fitness and Wellness</td>
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### PHYSICAL EDUCATION (P.E.):

<table>
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<tbody>
<tr>
<td>P.E. 105</td>
<td>The Student-Athlete Experience</td>
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</tr>
<tr>
<td>P.E. 152</td>
<td>Theory of Sport &amp; Fitness Management</td>
<td>3 units</td>
</tr>
<tr>
<td>P.E. 301</td>
<td>Introduction to Personal Training</td>
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<tr>
<td>P.E. 302</td>
<td>Introduction to Sport Nutrition</td>
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### TEAM SPORTS (TEAM):

<table>
<thead>
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<tbody>
<tr>
<td>TEAM 100</td>
<td>Men's Baseball</td>
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</tr>
<tr>
<td>TEAM 111.1</td>
<td>Basketball I</td>
<td>0.5 - 1 units</td>
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<tr>
<td>TEAM 111.2</td>
<td>Basketball II</td>
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<tr>
<td>TEAM 111.3</td>
<td>Basketball III</td>
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<td>Basketball IV</td>
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</tr>
<tr>
<td>TEAM 112</td>
<td>Basketball: Advanced Competition Strategies</td>
<td>0.5 - 1 units</td>
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<tr>
<td>TEAM 116</td>
<td>Basketball: Individual Skill Development</td>
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<tr>
<td>TEAM 132.1</td>
<td>Flag Football I</td>
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<td>Soccer III</td>
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<td>Indoor Soccer II</td>
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<td>TEAM 148.4</td>
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<td>TEAM 188</td>
<td>Volleyball Theory: Defense</td>
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<tr>
<td>TEAM 189</td>
<td>Volleyball Theory: Offense</td>
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</tr>
<tr>
<td>TEAM 190</td>
<td>Baseball Theory: Defense</td>
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</tr>
<tr>
<td>TEAM 191</td>
<td>Baseball Theory: Offense</td>
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<tr>
<td>TEAM 192</td>
<td>Men's Basketball Theory: Defense</td>
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</tr>
<tr>
<td>TEAM 193</td>
<td>Men's Basketball Theory: Offense</td>
<td>1.5 - 3 units</td>
</tr>
<tr>
<td>TEAM 194</td>
<td>Women's Basketball Theory: Defense</td>
<td>1.5 - 3 units</td>
</tr>
<tr>
<td>TEAM 195</td>
<td>Women's Basketball Theory: Offense</td>
<td>1.5 - 3 units</td>
</tr>
<tr>
<td>TEAM 196</td>
<td>Men's Soccer Theory: Defense</td>
<td>1.5 - 3 units</td>
</tr>
<tr>
<td>TEAM 197</td>
<td>Men's Soccer Theory: Offense</td>
<td>1.5 - 3 units</td>
</tr>
<tr>
<td>TEAM 198</td>
<td>Women's Soccer Theory: Defense</td>
<td>1.5 - 3 units</td>
</tr>
<tr>
<td>TEAM 199</td>
<td>Women's Soccer Theory, Offense</td>
<td>1.5 - 3 units</td>
</tr>
</tbody>
</table>

**Total Required Major Units: 19**

*And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.*

### PHYSICS

**AS-T Associate in Science Degree for Transfer**

Physics for Transfer..........................................................60 units
AS-T Physics for Transfer

An Associate of Science in Physics for Transfer degree (AS-T) from Skyline College prepares students for transfer to a baccalaureate institution to obtain a degree in Physics or a closely related discipline. The program is designed to teach students analytical skills, mathematical techniques and knowledge of physics in both the theoretical and experimental domains, as appropriate to prepare students for subsequent upper division course work in the same or similar arenas. The theoretical foundation is laid for mechanics, oscillations and waves, thermodynamics, electricity and magnetism, optics and modern physics. In laboratory, students are introduced to various measurement techniques and instruments including computerized data collection, and learn to model data and interpret it statistically to produce appropriate conclusions about the natural world. The program will produce students well prepared to transfer to the California State University system to undertake a study of upper division theoretical and/or experimental course work in Physics.

The Associate of Science in Physics for Transfer degree (AS-T) is intended for students who plan to complete a bachelor’s degree in Physics or a closely related discipline at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending the transfer to a particular university of college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

NOTE: Students should consult a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of "C" or better is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. Draw on both conceptual understanding and (as appropriate to course level) mathematical techniques to find exact solutions to real-world physical phenomena.
2. Understand the scientific method and principle laws of physics, to sufficiently apply them in their future careers.
3. (as applicable) Conduct lab experiments to measure the physical behavior of the real world.

and correctly interpret the conceptual and statistical implications of the experimental data.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 250</td>
<td>4 units</td>
</tr>
<tr>
<td>PHYS 260</td>
<td>4 units</td>
</tr>
<tr>
<td>PHYS 270</td>
<td>4 units</td>
</tr>
<tr>
<td>MATH 251</td>
<td>5 units</td>
</tr>
<tr>
<td>MATH 252</td>
<td>5 units</td>
</tr>
<tr>
<td>MATH 253</td>
<td>5 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 27

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to, but no more than 6 units may be double-counted for general education and major requirements. In practice, this means only one major course may be counted; all required major courses are 4 or 5 units; therefore any two courses would exceed the 6 unit limit. As always, consult with a counselor to develop an optimum plan. This degree does not require the Skyline Associate Degree Requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

POLITICAL SCIENCE

AA-T Associate in Arts Degree for Transfer

Political Science for Transfer........................................60 units
**AA-T Political Science for Transfer**

The Associate for Arts in Political Science for Transfer Degree is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing an AA-T degree are guaranteed admissions to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information or university admissions and transfer requirements.

**Career Opportunities**

A bachelor's degree in political science can lead to exciting careers in federal, state and local governments; law; business; international organizations; nonprofit associations and organizations; campaign management and polling; journalism; precollegiate education; electoral politics; research, university and college teaching. Political science majors gain analytical skills, administrative competence and communication abilities that are valued in a wide spectrum of potential career areas. Source: American Political Science Association

**Program Learning Outcomes**

Students completing this program will be able to:

1. Demonstrate an understanding of comparative political systems, especially as they relate to cultural components and socio-economic environments.
2. Analyze and articulate the key approaches to the study of the relationship between nations as it pertains to their military, economic, and diplomatic relations.
3. Critically evaluate and be familiar with the nature and process of theorizing in political science and be able to distinguish and categorize different types of methodology and theory utilized in the study of political science.
4. Demonstrate an understanding of the principles and values that constitute the underpinnings of the American political institutions as they have evolved throughout history.

**Required Core: 3 units**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 200</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A: Select 3 courses (9-10 units) from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 115</td>
<td></td>
</tr>
<tr>
<td>PLSC 130</td>
<td></td>
</tr>
<tr>
<td>PLSC 280</td>
<td></td>
</tr>
<tr>
<td>MATH 200</td>
<td></td>
</tr>
<tr>
<td>PLSC 115</td>
<td></td>
</tr>
<tr>
<td>PLSC 130</td>
<td></td>
</tr>
<tr>
<td>PLSC 280</td>
<td></td>
</tr>
<tr>
<td>PSYC 171</td>
<td></td>
</tr>
</tbody>
</table>

**List B: Select 2 courses (6 units) from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 100</td>
<td></td>
</tr>
<tr>
<td>ECON 102</td>
<td></td>
</tr>
<tr>
<td>HIST 201</td>
<td></td>
</tr>
<tr>
<td>HIST 202</td>
<td></td>
</tr>
<tr>
<td>HIST 235</td>
<td></td>
</tr>
<tr>
<td>HIST 240</td>
<td></td>
</tr>
<tr>
<td>PLSC 301</td>
<td></td>
</tr>
<tr>
<td>PLSC 335</td>
<td></td>
</tr>
</tbody>
</table>

**Total Required Major Units: 18 - 19**

**General Education** - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 15-16 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree requirements.

*Please refer to Associate Degree for Transfer (ADT) Requirements for more information.*
PSYCHOLOGY

AA Associate in Arts Degree Program
Psychology ................................................................. 60 units

AA-T Associate in Arts Degree for Transfer
Psychology for Transfer ............................................. 60 units

AA Psychology

The Psychology major seeks to expose students to the core principles and practices in the field of Psychology and provides students with an understanding and appreciation of the human mind and behavior. Both the general Psychology degree and the Associate in Arts Degree in Psychology for Transfer meet the needs of students interested in transferring to a four-year college or university in the major of Psychology or a related field, and those interested in learning the principles of psychology as a means of integrating this knowledge into their chosen major and/or profession.

Program Learning Outcomes
Students completing this program will be able to:
1. Explain behavior using learning theory.
2. Know that both nature and nurture are important in determining behavior.
3. Have the attitude that behavior change is possible.

Required Core Courses Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 103</td>
<td>Critical Thinking</td>
<td>3 units</td>
</tr>
<tr>
<td>PHIL 200</td>
<td>Introduction to Logic</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>General Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 105</td>
<td>Experimental Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Child Development</td>
<td>3 units</td>
</tr>
<tr>
<td>ECE. 201</td>
<td>Child Development</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 410</td>
<td>Abnormal Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 665</td>
<td>Special Topics in Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 300</td>
<td>Social Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 301</td>
<td>Psychology of Personal Development</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 310</td>
<td>Positive Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 390</td>
<td>Psychology of Consciousness</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 110</td>
<td>Courtship, Marriage and Family</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 171</td>
<td>Quantitative Reasoning in Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 200</td>
<td>Developmental Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 220</td>
<td>Introduction to Psychobiology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 230</td>
<td>Introduction to Cross-Cultural Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 238</td>
<td>Arab Cultural Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 268</td>
<td>Black Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 310</td>
<td>Positive Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 390</td>
<td>Psychology of Consciousness</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 665</td>
<td>Special Topics in Psychology</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Plus a selection of 6 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 110</td>
<td>Courtship, Marriage and Family</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 21
And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

AA-T Psychology for Transfer

The Skyline College Associate in Arts Degree in Psychology for Transfer is designed to facilitate successful transfer to baccalaureate psychology degree programs at a CSU. This degree provides students with the lower division breadth and depth in the field of psychology. This degree is intended for students who are interested in transferring to a California State University (CSU) campus with a major in Psychology.

The Associate in Arts Degree 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 an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of “C” or better, or “Pass” if the course is taken on a Pass/No Pass basis, is required for each course applied to the major. Major course requirements
may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. When students have completed the psychology program, they should be able to explain behavior using learning theory.
2. When students have completed the psychology program, they should know that both nature and nurture are important in determining behavior.
3. When students have completed the psychology program, they should have the attitude that behavior change is possible.

Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 100</td>
<td>General Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 105</td>
<td>Experimental Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 171</td>
<td>Quantitative Reasoning in Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 200</td>
<td>Elem Probability &amp; Statistics</td>
<td>4 units</td>
</tr>
</tbody>
</table>

List A: Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 110</td>
<td>Principles of Biology</td>
<td>4 units</td>
</tr>
<tr>
<td>BIOL 130</td>
<td>Human Biology</td>
<td>3 units</td>
</tr>
</tbody>
</table>

List B: Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 200</td>
<td>Developmental Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Child Development</td>
<td>3 units</td>
</tr>
</tbody>
</table>

List C: Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 110</td>
<td>Courtship, Marriage and Family</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 268</td>
<td>Black Psychology</td>
<td>3 units</td>
</tr>
<tr>
<td>PSYC 300</td>
<td>Social Psychology</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 18 - 20

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),

**OR**

- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Up to a total of 15-17 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

RESPIRATORY CARE

**BS Bachelor's in Science Degree Program**

Respiratory Care.......................................................120 units

**AS Associate in Science Degree Program**

Respiratory Care.....................................................60 units

**BS Respiratory Care**

The Bachelor’s in Science in Respiratory Care program allows graduates of AS degree Respiratory Care programs and licensed Respiratory Care Practitioners (RCP) a pathway to complete their four-year degree without having to transfer to a four-year college or university. The curriculum provides advanced scope of practice education with emphasis in advanced cardiopulmonary pathophysiology, advanced respiratory case management, advanced respiratory neonatal/pediatrics, health education in respiratory care, research methodology, quantitative principles, respiratory care sleep medicine, and respiratory care leadership and management. Increasingly, Respiratory Care Practitioners hold responsibilities formerly conducted by physicians requiring a greater level of critical thinking and analytical skills.

A minimum of 26.5 units of upper division major course work builds upon the lower division major course work. The degree also includes a minimum of 15 units of upper division general education courses in alignment with California State University and University of California guidelines. Students will complete coursework through a capstone project developed in collaboration with faculty and community members that is aligned with student area of interest.

The cost of tuition will be $130 per unit for upper division coursework, much less than at a four-year institution.
ADMISSION PROCEDURES AND REQUIREMENTS

Admission to the Bachelor's in Science in Respiratory Care is by special application and can be found on the college website: http://skylinecollege.edu/respiratorycarebachelors/. Students are admitted into the program once a year, in the Fall semester. Approximately 40 students are admitted to the program per cohort.

To qualify students must:

- Complete lower division respiratory care coursework from a CoARC accredited program
- Complete a minimum 30 CSU or UC (IGETC) GE pattern lower division units from a regionally accredited college
- Be licensed or licensure eligible

Students may transfer up to 87.5 units of lower division coursework and enter the program in junior status.

Selection procedures are based on criteria approved by the Skyline College Administration and consistent with state regulations:

Priority will be granted to students who are enrolled in the A.S. Respiratory Care program at Skyline College and intend to continue to B.S. Respiratory Care program, who have completed and submitted all application materials, and have completed 30 CSU GE pattern lower division units.

Remaining seats will be granted to the following applicants:

- New graduates from other programs who have completed an accredited Respiratory Care Program equivalent to an A.S. in Respiratory Care, are California licensure eligible, have completed and submitted all application materials, and have completed 30 CSU GE pattern lower division units.

AND

- Respiratory Care Practitioners who have completed an accredited Respiratory Care Program equivalent to an A.S. in Respiratory Care, are California licensure eligible, have completed and submitted all application materials, and have completed 30 CSU GE pattern lower division units.

If more applications are received than space allows, a lottery system will be setup and a waiting list will be formed. Forty (40) applicants will be accepted each for each cohort, and fifteen more will be waitlisted.

For further information, please visit the program website or contact Gretchen Keys, Director of Respiratory Care and Allied Health at (650) 738-4457 or keysg@smccd.edu.

Career Opportunities

Completion of this degree will provide advancement opportunities in positions such as advanced level practitioner, researcher, case manager, supervisor, manager, director, and/or educator.

Program Learning Outcomes

Students completing this program will be able to:

1. Apply knowledge of advanced Respiratory Care concepts and functions in an integrated approach
2. Draw on multiple sources of analysis, research, and critical thinking to address a problem and construct an applicable project focused in Respiratory Care

Upper Division Major Coursework

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPTH B10</td>
<td>Advanced Cardiopulmonary Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RPTH B15</td>
<td>Sleep Medicine and Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RPTH B20</td>
<td>Advanced Respiratory Case Management</td>
<td>3</td>
</tr>
<tr>
<td>RPTH B30</td>
<td>Principles of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>RPTH B40</td>
<td>Health Care Research Design and Methodology</td>
<td>3</td>
</tr>
<tr>
<td>RPTH B50</td>
<td>Respiratory Care Leadership and Management I</td>
<td>3</td>
</tr>
<tr>
<td>RPTH B52</td>
<td>Respiratory Care Leadership and Management II</td>
<td>3</td>
</tr>
<tr>
<td>RPTH B60</td>
<td>Advanced Neonatal and Pediatric Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RPTH B90</td>
<td>Respiratory Care Capstone Project</td>
<td>2.5</td>
</tr>
</tbody>
</table>

Upper Division General Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM B10</td>
<td>Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>COUN B10</td>
<td>Multicultural Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>PHIL B10</td>
<td>Medical Ethics</td>
<td>3</td>
</tr>
<tr>
<td>SOCI B10</td>
<td>Intersectionality and Citizenship</td>
<td>3</td>
</tr>
<tr>
<td>SOSC B10</td>
<td>Public Health Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Lower Division Major Coursework

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPTH 400</td>
<td>Patient &amp; Health Care Concerns</td>
<td>1.5</td>
</tr>
<tr>
<td>RPTH 410</td>
<td>Introduction to Patient Care &amp; Respiratory Assessment Techniques</td>
<td>3</td>
</tr>
<tr>
<td>RPTH 415</td>
<td>Respiratory Pharmacology</td>
<td>1.5</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>RPTH 420</td>
<td>Application of Cardiopulmonary Anatomy &amp; Physiology</td>
<td>3</td>
</tr>
<tr>
<td>RPTH 430</td>
<td>Introduction to Respiratory Therapeutics</td>
<td>6</td>
</tr>
<tr>
<td>RPTH 438</td>
<td>Clinical Clerkship I</td>
<td>1</td>
</tr>
<tr>
<td>RPTH 445</td>
<td>Respiratory Diseases I</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 448</td>
<td>Clinical Clerkship II</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 450</td>
<td>Respiratory Diseases II</td>
<td>3</td>
</tr>
<tr>
<td>RPTH 458</td>
<td>Clinical Clerkship III</td>
<td>6</td>
</tr>
<tr>
<td>RPTH 460</td>
<td>Respiratory Critical Care</td>
<td>3</td>
</tr>
<tr>
<td>RPTH 475</td>
<td>Hemodynamic Monitoring and Selected Topics in Respiratory Care</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 480</td>
<td>Diagnostic Testing and Outpatient Respiratory Care</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 485</td>
<td>Clinical Medicine Seminar</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 488</td>
<td>Clinical Clerkship IV</td>
<td>6</td>
</tr>
<tr>
<td>RPTH 490</td>
<td>Neonatal and Pediatric Respiratory Care</td>
<td>2.5</td>
</tr>
<tr>
<td>RPTH 495</td>
<td>Respiratory Care Board Examination Preparation and Review</td>
<td>2</td>
</tr>
</tbody>
</table>

Lower Division General Education (or equivalent)

*CSU General Education or IGETC for UC (37-39 units)*

**Total Required Major Units: 120**

## Respiratory Care

Respiratory Care is a two-year program that prepares students to administer respiratory care and life support to patients with breathing disorders and cardiopulmonary abnormalities. Most Respiratory Care Practitioners participate in three phases of patient care: diagnosis, treatment, and patient management.

Skyline College’s Respiratory Care Program is accredited by:

**Committee on Accreditation for Respiratory Therapy (CoARC)**

1248 Harwood Road
Bedford, TX 76021-4244
Telephone: (817) 283-2835
Fax: (817) 354-8519
Fax to Email: (817) 510-1063

**Licensure/Certification Eligibility Requirements:**

California state licensure requires completion of a CoARC accredited Respiratory Care program, a minimum of an associate degree from a regionally accredited agency, a Registered Respiratory Therapist (RRT) credential, and a board approved law and ethics course. Visit the Respiratory Care Board of California website for more information [http://www.rcb.ca.gov/](http://www.rcb.ca.gov/).

**ADMISSION PROCEDURES AND REQUIREMENTS**

Students are admitted into the program once a year only, in the Fall semester. Special Respiratory Care application forms are available on the Respiratory Care College website. Applicants who have previously applied, and wish to reapply, must submit new applications. Approximately 25 students are admitted to the program each year. Selection is based on criteria approved by the Skyline College Administration and consistent with state regulations. For further information on the Respiratory Care Program, please call (650) 738-4457.

Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and a drug test.

Full-time registration is required, and all courses must be taken in sequence. Credit may be given for previous coursework. A minimum grade of C is required in all coursework. To determine specific General Education requirements, applicants are encouraged to contact the Counseling Department.

Admission to the Respiratory Care Program requires the following minimum entrance requirements:

1. High school graduation or equivalent.
2. Presently enrolled in or completed with a grade of C or better:
   - Algebra equivalent to MATH 110 or 112.
   - Chemistry equivalent to CHEM 192 or 410.
   - Human Anatomy equivalent to BIOL 250.
   - Medical Terminology equivalent to HSCI 484.
   *(Note: Human Anatomy may be taken in the summer session preceding the program.)*
3. English: Eligibility for Skyline College ENGL 846 or equivalent.

**Career Opportunities**

Respiratory Care Practitioner

**Program Learning Outcomes**

Students completing this program will be able to:

1. Obtain the RRT credential.
2. Obtain gainful employment as a Licensed Respiratory Care Practitioner (RCP).
3. Demonstrate competency in the cognitive, psychomotor, and affective domains when providing respiratory care.
For gainful employment information, see this program's [gainful employment website](#).

### Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPTH 400</td>
<td>Patient &amp; Health Care Concerns</td>
<td>1.5</td>
</tr>
<tr>
<td>RPTH 410</td>
<td>Introduction to Patient Care &amp; Respiratory Assessment Techniques</td>
<td>3</td>
</tr>
<tr>
<td>RPTH 415</td>
<td>Respiratory Pharmacology</td>
<td>1.5</td>
</tr>
<tr>
<td>RPTH 420</td>
<td>Application of Cardiopulmonary Anatomy &amp; Physiology</td>
<td>3</td>
</tr>
<tr>
<td>RPTH 430</td>
<td>Introduction to Respiratory Therapeutics</td>
<td>6</td>
</tr>
<tr>
<td>RPTH 438</td>
<td>Clinical Clerkship I</td>
<td>1</td>
</tr>
<tr>
<td>RPTH 445</td>
<td>Respiratory Diseases I</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 448</td>
<td>Clinical Clerkship II</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 450</td>
<td>Respiratory Diseases II</td>
<td>3</td>
</tr>
<tr>
<td>RPTH 458</td>
<td>Clinical Clerkship III</td>
<td>6</td>
</tr>
<tr>
<td>RPTH 460</td>
<td>Respiratory Critical Care</td>
<td>3</td>
</tr>
<tr>
<td>RPTH 475</td>
<td>Hemodynamic Monitoring and Selected Topics in Respiratory Care</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 480</td>
<td>Diagnostic Testing and Outpatient Respiratory Care</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 485</td>
<td>Clinical Medicine Seminar</td>
<td>2</td>
</tr>
<tr>
<td>RPTH 488</td>
<td>Clinical Clerkship IV</td>
<td>6</td>
</tr>
<tr>
<td>RPTH 490</td>
<td>Neonatal and Pediatric Respiratory Care</td>
<td>2.5</td>
</tr>
<tr>
<td>RPTH 495</td>
<td>Respiratory Care Board Examination Preparation and Review</td>
<td>2</td>
</tr>
</tbody>
</table>

Plus Chemistry, Human Anatomy, Human Physiology, Microbiology and General Education/other requirements for the Associate degree (refer to Associate Degree Requirements). The College also offers a Certificate of Achievement for those graduates having a prior Associate or above degree.

### Total Required Major Units: 48.5

**Plus Chemistry, Human Anatomy, Human Physiology, Microbiology and required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.**

**NOTE:** The College also offers a Certificate of Achievement for those graduates having a prior Associate or above degree.

### SOCIAL SCIENCE

**AA-T Associate in Arts Degree for Transfer**
Social Justice Studies for Transfer............................. 60 units

### AA-T Social Justice Studies for Transfer

Social Justice Studies is an examination of racism, classism, patriarchy, and other forms of oppression from interdisciplinary perspectives of ethnic studies, gender and queer studies, labor studies, and law. This program is designed for students who are interested in examining the structure of oppression, the impact of marginalization on social identity and community history, and the art and mechanics of social movements. Our Social Justice Studies program provides students an opportunity to engage in critical service learning, in which students join in collective actions to address social problems in their own community.

The Skyline College Associate in Arts Degree in Social Justice Studies for Transfer is designed to facilitate successful transfer to baccalaureate Ethnic Studies degree programs, Women's Studies, Resistance Studies, and LGBTQ Studies and other similar fields at a CSU. This degree provides students with the lower division breadth and depth in the aforementioned fields. This degree is intended for students who are interested in transferring to a California State University (CSU) campus with a major in one of these fields.

The Associate in Arts Degree 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 an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or university or a college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of “C” or better, or “Pass” if the course is taken on a Pass/No Pass basis, is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.
Career Opportunities

A major in Social Justice Studies will offer a preparation to students planning upper-division work in Ethnic Studies, Women's Studies, Education, History, Sociology, Political Science and other fields of social sciences and humanities. In addition, Social Justice Studies is an excellent background for occupational training in community organizing, law, education, law enforcement, and social work. Additional career options include: human resources, public relations, NGO, human rights groups, labor unions, environmental organizations, religious organizations, rights advocacy, journalism, and lobbying.

Required Core Courses (9 units)

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>SJS 110</td>
<td>Introduction to Social Justice Studies</td>
</tr>
<tr>
<td>3</td>
<td>SOCI 141</td>
<td>Race and Ethnicity</td>
</tr>
<tr>
<td>3</td>
<td>SOCI 160</td>
<td>Sociology of Sex and Gender</td>
</tr>
<tr>
<td>OR</td>
<td>SJS 130</td>
<td>Introduction to LGBTQ Studies</td>
</tr>
</tbody>
</table>

List A: Select three courses from at least two of the following areas (9 - 10 units)

Area 1: History or Government

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>HIST 235</td>
<td>History of Ethnic Groups in the United States</td>
</tr>
<tr>
<td>3</td>
<td>HIST 248</td>
<td>Women and The American Experience</td>
</tr>
<tr>
<td>3</td>
<td>HIST 244</td>
<td>African American History</td>
</tr>
<tr>
<td>3</td>
<td>HIST 436</td>
<td>Filipinos in America</td>
</tr>
<tr>
<td>3</td>
<td>HIST 435</td>
<td>History of the Philippines</td>
</tr>
</tbody>
</table>

Area 2: Arts and Humanities

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>LIT. 266</td>
<td>Black Literature</td>
</tr>
<tr>
<td>3</td>
<td>LIT. 267</td>
<td>Filipino American Literature</td>
</tr>
<tr>
<td>3</td>
<td>LIT. 370</td>
<td>Readings in Literature of the Latino in the United States</td>
</tr>
<tr>
<td>3</td>
<td>LIT. 251</td>
<td>Women in Literature</td>
</tr>
<tr>
<td>3</td>
<td>COMM 160</td>
<td>Gender and Communication</td>
</tr>
<tr>
<td>3</td>
<td>MUS. 275</td>
<td>History of Jazz</td>
</tr>
<tr>
<td>3</td>
<td>MUS. 277</td>
<td>African American Music</td>
</tr>
<tr>
<td>3</td>
<td>MUS. 276</td>
<td>Hip Hop: Culture and Politics</td>
</tr>
</tbody>
</table>

Area 3: Social Sciences

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>PSYC 268</td>
<td>Black Psychology</td>
</tr>
<tr>
<td>3</td>
<td>SOCI 160</td>
<td>Sociology of Sex and Gender</td>
</tr>
<tr>
<td>3</td>
<td>SOCI 105</td>
<td>Contemporary Social Issues</td>
</tr>
<tr>
<td>3</td>
<td>SJS 130</td>
<td>Introduction to LGBTQ Studies</td>
</tr>
<tr>
<td>3</td>
<td>SOSC 270</td>
<td>The Civil Rights Movement</td>
</tr>
<tr>
<td>3</td>
<td>ANTH 165</td>
<td>Sex and Gender: Cross-Cultural Perspectives</td>
</tr>
</tbody>
</table>

Area 4: Quantitative Reasoning and Research Methods

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>SOCI 129</td>
<td>Introduction to Research Methods</td>
</tr>
<tr>
<td>4</td>
<td>MATH 200</td>
<td>Elementary Probability &amp; Statistics</td>
</tr>
<tr>
<td>OR</td>
<td>PSYC 171</td>
<td>Quantitative Reasoning in Psychology</td>
</tr>
</tbody>
</table>

Total Required Major Units: 18 - 19

General Education - certified completion of one of the following:

- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Major course units may be double counted (3-15 units) to apply to meet general education requirements. This degree does not require the Skyline Associate Degree requirements.

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

SOCILOGY

AA-T Associate in Arts Degree for Transfer
Sociology for Transfer ................................................................. 60 units
The Associate in Arts Sociology for Transfer is intended for students interested in transferring to a CSU with a major in Sociology. Students completing an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. Sociology is a systematic, scientific study of societies, their composition, structure, and transformation. Our Sociology courses are intended to strengthen students’ skills to analyze social inequality, structure of power, and the processes and outcomes of economic, social, and cultural marginalization. Students completing this program will be equipped with Sociological Imagination that enables them to critically analyze their everyday personal experiences in relation to the larger social structure. A major in sociology will offer a preparation to students planning upper-division work in sociology, psychology, political science, and other fields of social sciences. In addition, a sociological education is an excellent background for occupational training in law, medicine, business, education, law enforcement, and social work. It is also an ideal choice for students considering careers in the private sector, government, and non-profit organizations.

Career Opportunities
In addition to a career as a sociologist, career possibilities for students who graduate with a Bachelor’s degree in Sociology include social services and counseling, sales and marketing, early childhood development, administrative support, teaching, service occupations, legal careers, community organizers, activism, administration of justice, journalism, and social scientific research.

Program Learning Outcomes
Students completing this program will be able to:
1. Apply sociological theories and concepts to decipher the system of social stratification, power and privileges arising from factors such as social class, gender, and race.
2. Demonstrate understanding of sociological methodological approaches.
3. Apply a sociological perspective to analyze how social structure manifests itself in their own lives in order to actively participate in civic life.

Required Core (9-10 units) Units
SOCI 100 Introduction to Sociology 3 units

Select two from the following: (6 - 7 units) Units
SOCI 105 Contemporary Social Issues 3 units

List A: Select two from the list below or any required Core course not already used: (6 units) Units
SOCI 110 Courtship, Marriage and Family 3 units
SOCI 141 Race and Ethnicity 3 units
SOCI 160 Sociology of Sex and Gender 3 units

List B: Select one from the list below or any course not already used above: (3 units) Units
ANTH 110 Cultural Anthropology 3 units
PSYC 100 General Psychology 3 units

Total Required Major Units: 18 - 19
General Education - certified completion of one of the following:
• California State University General Education-Breadth pattern (CSU GE Breadth),
• OR
• Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

Elective courses: If applicable, additional courses to meet the minimum 60 CSU transferable units requirement. Up to a total of 9-12, major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline College Associate Degree requirements.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

SPANISH

AA Associate in Arts Degree Program
Spanish.................................................................60 units
AA-T Associate in Arts Degree for Transfer
Spanish for Transfer.................................................. 60 units

AA Spanish

Program Learning Outcomes

Students completing this program will be able to:

1. Identify and describe language structure and functions of the main components of the linguistic system of the four basic skills: reading, writing, speaking and listening comprehension.
2. Summarize, translate and interpret the main grammatical structures in language to offer various explanations and understandings of why and how people communicate.
3. Distinguish different forms of dialects and discourse to be interpreted and translated into the target language and into the dominant language - English.
4. Critically consider, analyze, and research special issues in sociolinguistics, bilingualism and multiculturalism.
5. Apply cultural and grammatical theories, principles, and concepts to address real life problems and situations in the foreign language acquisition and cognition field.
6. Exhibit strong and effective written and oral communication skills.
7. Identify career and educational options in the field of foreign language acquisition, and then formulate appropriate action plans toward achieving goals and objectives.
8. Recognize the importance of, and practice exposure to different native-speakers of the target language for further socio-cultural and linguistic development.
9. Bring back into the community and apply the skills, abilities, and knowledge acquired in the SKYFLA Program for the improvement of others and themselves, and to further the objectives of translation, interpretation and communication in different foreign languages in society.

Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 110</td>
<td>Elementary Spanish</td>
<td>5 units</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPAN 111</td>
<td>Elementary Spanish I</td>
<td>3 units</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPAN 112</td>
<td>Elementary Spanish II</td>
<td>3 units</td>
</tr>
</tbody>
</table>

Total Required Major Units: 18 - 20

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

AA-T Spanish for Transfer

The Associate in Arts Degree 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 an AA-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does not accept the AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular campus or university or college that is not part of the CSU system. Students should consult with a Skyline College counselor for further information on university admissions and transfer requirements.

A grade of “C” or better, or “Pass” if the course is taken on a Pass/No Pass basis, is required for each course applied to the major. Major course requirements may also be applied to meet general education requirements.

Program Learning Outcomes

Students completing this program will be able to:

1. Identify and describe language structure and functions of the main components of the linguistic system of the four basic skills: reading, writing, speaking and listening comprehension.
2. Summarize, translate and interpret the main grammatical structures in language to offer various explanations and understandings of why and how people communicate.
3. Distinguish different forms of dialects and discourse to be interpreted and translated into the target language and into the dominant language - English.
4. Critically consider, analyze, and research special issues in sociolinguistics, bilingualism and multiculturalism.
5. Apply cultural and grammatical theories, principles, and concepts to address real life problems and situations in the foreign language acquisition and cognition field.
6. Exhibit strong and effective written and oral communication skills.
7. Identify career and educational options in the field of foreign language acquisition, and then formulate appropriate action plans toward achieving goals and objectives.
8. Recognize the importance of, and practice exposure to different native-speakers of the target language for further socio-cultural and linguistic development.
9. Bring back into the community and apply the skills, abilities, and knowledge acquired in the SKYFLA Program for the improvement of others and themselves, and to further the objectives of translation, interpretation and communication in different foreign languages in society.

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 110 Elementary Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 120 Advanced Elementary Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 130 Intermediate Spanish</td>
<td>4</td>
</tr>
<tr>
<td>OR SPAN 220 Spanish for Spanish Speakers I</td>
<td>5</td>
</tr>
<tr>
<td>AND SPAN 140 Advanced Intermediate Spanish</td>
<td>4</td>
</tr>
<tr>
<td>OR SPAN 230 Spanish for Spanish Speakers II</td>
<td>5</td>
</tr>
</tbody>
</table>

List A - Select one course from the following:

<table>
<thead>
<tr>
<th>Units</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>SPAN 160 Readings in Literature in Spanish</td>
</tr>
</tbody>
</table>

Total Required Major Units: 23 - 25

**General Education** - certified completion of one of the following:
- California State University General Education-Breadth pattern (CSU GE Breadth),
- OR
- Intersegmental General Education Transfer Curriculum (IGETC/CSU) pattern

A total of 6 major course units may be double counted to apply to meet general education requirements. This degree does not require the Skyline Associate Degree requirements.

**Elective courses:** If applicable, additional courses to meet the minimum 60 CSU transferable units requirement.

*Please refer to Associate Degree for Transfer (ADT) Requirements for more information.*

### SURGICAL CAREERS

**AS Associate in Science Degree Program**

Anesthesia Technology.................................................. 60 units
Surgical Technology..................................................... 60 units

**CA Certificate of Achievement**

Anesthesia Technology.................................................. 30 units
Surgical Technology..................................................... 34 units

**CC Career Certificate**

Central Service Technology With Clinical Practice...11.5 units

**AS Anesthesia Technology**

Anesthesia technology focuses on fundamental and advanced clinical procedures which assist the anesthesia provider in the safe and efficient care of patients under anesthesia. Anesthesia Technologists work under the direction of an anesthesia provider as a vital member of the anesthesia care team. Anesthesia Technologists are proficient in the acquisition, preparation, and application of various types of equipment required for the delivery of anesthesia care. Cognitive abilities involve knowledge of anatomy/physiology, pathophysiology, pharmacology, and principles of anesthesia technology. Independent judgment is required for rapid response to quickly changing circumstances in the patient care environment.

Anesthesia Technologists exhibits professionalism in patient and staff interactions. Anesthesia technologists may work in a variety of clinical settings including: hospital operating rooms, interventional and diagnostic radiology, labor and delivery units, intensive care units, emergency rooms, outpatient procedure suites, and ambulatory surgery centers.

Graduates are eligible to take the national certification exam for Certified Anesthesia Technologist (Cer.A.T.T.) who complete a minimum of an associate degree and major coursework completed from a CAAHEP accredited program. For more information, visit [www.asatt.org](http://www.asatt.org).
ADMISSION PROCEDURES AND REQUIREMENTS

Students are admitted into the program once each year. Admission to the Anesthesia Technology Program is by special application only. Special application forms are available from the Science/Math/Technology Division Office and the College website. See application for submission dates. Applicants who have previously applied, and wish to reapply, must submit updated application materials. Selection of students is based on criteria approved by the Skyline College Administration and consistent with State regulations. For further information on the Anesthesia Technology Program, please call 650-738-4310 or 650-738-4470. Admission to the Anesthesia Technology Program requires the following minimum entrance requirements:

• High school diploma or equivalent
• Algebra equivalent to MATH 110 or MATH 112
• Chemistry equivalent to CHEM 192 or CHEM 410
• CPR for Healthcare Provider equivalent to EMC 425
• Human Anatomy equivalent to BIOL 250
• Medical Terminology equivalent to HSCI 484 or MEDA 484
• English: Eligibility for Skyline College ENGL 100 or equivalent
• Human Physiology equivalent to BIOL 260 (may be taken during the first semester of the program)

Communication in the operating room is of extreme importance. It is recommended that applicants be eligible for ENGL 100. Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and drug test. All courses must be taken in sequence. Credit may be given for previous coursework. A minimum grade of "C" is required in all Anesthesia Technology courses and prerequisites.

Career Opportunities

1) Anesthesia Technician. 2) Lead Anesthesia Technician. 3) Anesthesia Technologist. 4) Anesthesia Technical Supervisor. 5) Anesthesia Technical Manager.

Program Learning Outcomes

Students completing this program will be able to:

1. Demonstrate knowledge and competency in the role as an Anesthesia Technologist.
2. Complete requirements for eligibility for national certification in Anesthesia Technology.

3. Obtain gainful employment as a Certified Anesthesia Technologist.

<table>
<thead>
<tr>
<th>Units</th>
<th>ANST 400</th>
<th>Professional Aspects of Anesthesia Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ANST 405</td>
<td>Basic Principles of Anesthesia Technology</td>
</tr>
<tr>
<td></td>
<td>ANST 410</td>
<td>Basic Anesthesia Equipment</td>
</tr>
<tr>
<td></td>
<td>ANST 415</td>
<td>Anesthesia Pharmacology</td>
</tr>
<tr>
<td></td>
<td>ANST 420</td>
<td>Application of Principles in Anesthesia Technology</td>
</tr>
<tr>
<td></td>
<td>ANST 425</td>
<td>Anesthesia Technology Clinical Experience I</td>
</tr>
<tr>
<td></td>
<td>ANST 430</td>
<td>Advanced Anesthesia Equipment</td>
</tr>
<tr>
<td></td>
<td>ANST 435</td>
<td>Anesthesia Technology Clinical Experience II</td>
</tr>
<tr>
<td></td>
<td>ANST 440</td>
<td>Anesthesia Technology Examination and Review</td>
</tr>
</tbody>
</table>

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

Total Required Major Units: 30

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

AS Surgical Technology

Surgical Technologists are employed in hospitals, surgery centers, and physician's offices to deliver patient care before, during and after surgery. Skyline's program combines academic and clinical instruction that includes learning to prepare surgical instruments, passing them to the surgeon, and handling specialized equipment. Graduates are eligible to take the national certification exam for Certified Surgical Technologist (CST). The Surgical Technology Program at Skyline College is accredited by the Commission on Accreditation of Allied Health Programs (CAAHEP).

Certification Eligibility Requirements: Surgical Technology Program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Skyline's program was accredited due to commendations of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting to CAAHEP. For more information, visit www.arcstsa.org.
Skyline College’s Surgical Technology Program is accredited by:

Commission on Accreditation of Allied Health Education Programs (CAAHEP)
1361 Park Street
Clearwater, FL 33756
Telephone: (727) 210-2350
Fax: (727) 210-2354
Email: mail@caahep.org

ADMISSION PROCEDURES AND REQUIREMENTS
Students are admitted into the program only once each year. The program will typically start in summer session and complete at the end of the following spring semester. Admission to the Surgical Technology Program is by special application only. Special application forms are available from the Science/Math/Technology Division Office and the College website. See application for submission dates. Applicants who have previously applied, and wish to reapply, must submit new application materials. Selection of students is based on criteria approved by the Skyline College Administration and consistent with State regulations. For further information on the Surgical Technology Program, please call 738-4221 or 738-4470.

Admission to the Surgical Technology Program requires the following minimum entrance requirements:

• High school diploma or GED
• Algebra equivalent to MATH 110 or MATH 112
• Human Anatomy equivalent to BIOL 250
• Medical Terminology equivalent to HSCI 484 or BUS. 485

Communication in the operating room is of extreme importance. It is recommended that applicants be eligible for ENGL 846. Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and drug test. All courses must be taken in sequence. Credit may be given for previous coursework. A minimum grade of “C” is required in all Surgical Technology courses and prerequisites.

Program Learning Outcomes
Students completing this program will be able to:
1. Demonstrate knowledge of surgical technology equal to an entry-level surgical technologist.
2. Demonstrate competence in clinical skills equal to an entry-level surgical technologist.
3. Demonstrate behavior appropriate for an entry-level surgical technologist.

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<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
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<td>Basic Sciences for Surgical</td>
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Total Required Major Units: 34

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

CA Anesthesia Technology

Anesthesia technology focuses on fundamental and advanced clinical procedures which assist the anesthesia provider in the safe and efficient care of patients under anesthesia. Anesthesia Technologists work under the direction of an anesthesia provider as a vital member of the anesthesia care team. Anesthesia Technologists are proficient in the acquisition, preparation, and application of various types of equipment required for the delivery of anesthesia care. Cognitive abilities involve knowledge of anatomy/physiology, pathophysiology, pharmacology, and principles of anesthesia technology. Independent judgment is required for rapid response to quickly changing circumstances in the patient care environment.

Anesthesia Technologists exhibits professionalism in patient and staff interactions. Anesthesia technologists may work in a variety of clinical settings including hospital operating rooms, interventional and diagnostic radiology, labor and delivery units, intensive care units, emergency rooms, outpatient procedure suites, and ambulatory surgery centers.

Graduates are eligible to take the national certification exam for Certified Anesthesia Technologist (Cer.A.T.T.) who complete a minimum of an associate degree and major coursework completed from a CAAHEP accredited program. For more information, visit www.asatt.org.

The Certificate of Achievement is for students who have already obtained a minimum of an Associate Degree and have completed required preparatory science courses.

ADMISSION PROCEDURES AND REQUIREMENTS
Students are admitted into the program once each year. Admission to the Anesthesia Technology Program is by special application only. Special application forms are
available from the Science/Math/Technology Division Office and the College website. See application for submission dates. Applicants who have previously applied, and wish to reapply, must submit updated application materials. Selection of students is based on criteria approved by the Skyline College Administration and consistent with State regulations. For further information on the Anesthesia Technology Program, please call 650-738-4310 or 650-738-4470. Admission to the Anesthesia Technology Program requires the following minimum entrance requirements:

- High school diploma or equivalent
- Algebra equivalent to MATH 110 or MATH 112
- Chemistry equivalent to CHEM 192 or CHEM 410
- CPR for Healthcare Provider equivalent to EMC. 425
- Human Anatomy equivalent to BIOL 250
- Medical Terminology equivalent to HSCI 484 or MEDA 484
- English: Eligibility for Skyline College ENGL 100 or equivalent
- Human Physiology equivalent to BIOL 260 (may be taken during the first semester of the program)

Communication in the operating room is of extreme importance. It is recommended that applicants be eligible for ENGL 100. Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and drug test. All courses must be taken in sequence. Credit may be given for previous coursework. A minimum grade of "C" is required in all Anesthesia Technology courses and prerequisites.

**Career Opportunities**

1) Anesthesia Technician. 2) Lead Anesthesia Technician. 3) Anesthesia Technologist. 4) Anesthesia Technical Supervisor. 5) Anesthesia Technical Manager.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Demonstrate knowledge and competency in the role as an Anesthesia Technologist.
2. Complete requirements for eligibility for national certification in Anesthesia Technology.
3. Obtain gainful employment as a Certified Anesthesia Technologist.

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<th>Course</th>
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<td>Basic Principles of Anesthesia Technology</td>
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<td>ANST 440</td>
<td>Anesthesia Technology Examination and Review</td>
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**Total Required Units: 30**

### CA Surgical Technology

For gainful employment information, see this program's gainful employment website.

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<td>MEDA 415</td>
<td>Law and Ethics for Allied Health Professionals</td>
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</tr>
</tbody>
</table>

**Total Required Units: 34**

### CC Central Service Technology With Clinical Practice

The Central Services Technology Program prepares graduates for employment in hospitals, outpatient surgery centers and private industry. Central Service Technicians, also known as Sterile Processing Technicians, process and distribute sterilized equipment and other supplies throughout the medical facility.

**Certification Eligibility Requirements:** Central Service Technician Program using the Core Curriculum of the
International Association of Hospital Central Service Materials Management and which requires 400 hours of clinical practice. For more information, visit www.iahcsmm.org.

Central Service Technology has certification but does not have an accreditation body.

International Association of Healthcare Central Service Material Management (IAHCSMM)
213 West Institute Place, Suite 307
Chicago, IL 60610
Telephone: (800) 962-8274
Fax: (312) 440-9474

ADMISSION PROCEDURES AND REQUIREMENTS
Students are admitted into the program only once each year. The program will typically start in fall session and complete at the end of the following spring semester. Admission to the Central Service Technology Program is by special application only. Special application forms are available from the Science, Math, Technology Division Office and the College website. See application for submission dates. Applicants who have previously applied, and wish to reapply, must submit new application materials. Selection of students is based on criteria approved by the Skyline College Administration and consistent with State regulations.

Communication in the health care setting is an important component. It is recommended that applicants be eligible for ENGL 846. Prior to starting classes, students admitted to the program are required to complete a satisfactory physical examination, immunization documentation verifying freedom of communicable disease, a social security referenced background check, and drug test. All courses must be taken in sequence. A minimum grade of "C" is required in all Central Service Technology courses.

For further information on the Central Service Technology Program, please call 738-4221 or 738-4470.

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<td>SURG 446 Clinical Practice for CST</td>
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<td>SURG 448 Clinical Lab Practicum for Central Service Technology</td>
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**Total Required Units: 11.5**
Other SMCCCD Colleges

Educational Opportunities at other San Mateo County Community Colleges

Skyline College is part of the San Mateo County Community College District, which also operates Cañada College in Redwood City and College of San Mateo. In addition to offering comprehensive general education, vocational, transfer, and remedial programs, Cañada College and College of San Mateo each have a number of special programs not available at Skyline College that can be found within their respective catalogs. Please visit the online catalogs for both Cañada College (catalog.canadacollege.edu/) and College of San Mateo (catalog.collegeofsanmateo.edu/) for additional information.
Transfer Planning

Skyline College can help students plan an educational program which will prepare them to transfer to the University of California, California State University, or to a private college or university to earn a bachelor’s degree. Students are encouraged to meet regularly with a Skyline College counselor and use the resources of Skyline College’s Transfer Center to develop an educational plan which will assure a smooth transition to the transfer institution of their choice. While completing transfer requirements, students may also want to earn units toward an Associate Degree in Arts or Science or an Associate of Science Degree for Transfer (ADT) at Skyline College. With careful planning, both objectives can be reached by taking essentially the same set of transferable courses.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example C-ID/COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID/COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org to confirm how each college’s course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at www.assist.org for specific information on C-ID course designations. Counselors can always help students interpret or explain this information. Courses at Skyline College with approved C-ID numbers are noted below.

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<td>PHIL 100</td>
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<td>PHIL 200</td>
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<td>PHIL 280 / PLSC 280</td>
<td>POLS 120</td>
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<tr>
<td>PHYS 114 / CHEM 114</td>
<td>PHYS 140</td>
</tr>
<tr>
<td>PHYS 210, 220</td>
<td>PHYS 100S</td>
</tr>
</tbody>
</table>
Transfer of Credit

Students planning to transfer can complete their freshman and sophomore level (lower-division) transfer classes at Skyline College and transfer to a baccalaureate institution with junior (upper-division) standing. Students must complete a minimum of 60 transferable semester units in order to transfer as juniors. Typically, students must complete units that apply to an approved general education pattern and lower division major preparation as transfer preparation.

Associate Degree for Transfer (ADTs) Can Benefit Students Intending to Transfer to the CSU System

Skyline College offers associate degrees (AA-T and AS-T) designed to support transfer to the California State University system. Students who complete the requirements for an Associate Degree for Transfer are eligible to apply for an associate degree AND meet minimum admissions requirements for transfer with junior standing to a California State University. Although earning an Associate Degree for Transfer does not guarantee a student admission to all California State University campuses or majors, it does secure a student priority admission consideration to his/her local CSU campus. To enhance a student's competitive success as a CSU applicant, in addition to completing the requirements for the associate degree for transfer, it is strongly recommended that students meet with their Skyline College counselor and utilize www.assist.org to see if there are additional courses suggested or required for a particular major at a specific campus.

At the time of printing this catalog, Skyline College offers associate degrees for transfer in nineteen majors: Administration of Justice, Anthropology, Art History, Biology, Business Administration, Communications, Early Childhood Education, Elementary Teacher Education, English, Geology, History, Journalism, Kinesiology, Mathematics, Music, Physics, Psychology, Spanish, and Studio Arts.

Skyline College Transfer Center

Skyline College's Transfer Center provides information and offers workshops on choosing a college, transfer admission requirements, completing transfer admission application forms and writing the application essay. Transfer Center staff can provide details about special...
Transfer Admission Guarantees that Skyline College has developed with a number of four-year UC and private institutions which can guarantee student's transfer admission.

Students with a clear transfer objective stand the best chance of meeting requirements in a timely manner. They can make the best use of their time and course work by deciding on a transfer institution and major as soon as possible. Students unable to make these decisions when they enter Skyline College may follow a general transfer pattern of courses while taking advantage of the Counseling Division and Transfer Center resources in making transfer plans.

Once students choose a major and the university to which they plan to transfer, they should use www.assist.org, an online student transfer information system, to see how courses completed at Skyline College are applied when transferring to a university. This website also lists courses required for majors. Skyline College counselors and the Transfer Center staff can assist students in planning for transfer, and four-year university representatives often visit Skyline College to meet with students interested in transferring to their institutions. It is wise for students to consult the catalog of the university to which they plan to transfer to become familiar with specific transfer admission requirements. Many college and university catalogs are available for reference both in the Transfer Center and online. Students may also write directly to the admissions office of the institution to obtain an information bulletin which outlines requirements for admission as a transfer student.

The Transfer Center is located with the Counseling Center in Building 2, Room 2227.

Requirements for Transfer Students
A student can transfer from Skyline College to a four-year college or university as a junior without loss of time or credits by completing the following:

1. Lower Division Preparation for the Major
   • These courses provide the necessary background to prepare the transfer student to enter the major as a junior. Students can access www.assist.org for lower-division major requirements for the California State University (CSU) and University of California (UC) colleges. For lower-division major preparation for private colleges, visit the Transfer Center website at skylinecollege.edu/transfercenter, meet with a Skyline College counselor, or visit the website of respective college that you are interested in transferring to.

2. General Education Requirements (Sometimes called “Breadth Requirements”)
   • These are the courses required to obtain bachelor’s degree regardless of major. Courses in writing, critical thinking, sciences, humanities and social sciences are included in general education.

3. Electives
   • Upon completion of major and general education requirements, elective courses can be taken to bring the total number of transferable units to the required 60 units for transfer to UC and CSU.

Certification of Completion of General Education
Prior to transfer, students transferring to a CSU or UC system may request verification of completion of the lower division general education requirements. To accomplish this, students must request the Admissions and Records Office (the request can be made on WebSMART) to send a CSU GE or IGETC Certification with the final transcript to the transfer institution. Certification requests are made online via WebSMART. This certification is used by the transfer destination, in addition to the official transcripts, to confirm full or partial completion of CSU GE or IGETC requirements. Students who transfer without CSU GE or IGETC Certification will be required to meet the general education requirements of the specific CSU or UC campus (local requirements) to which they transfer. Meeting these local general education requirements requires taking additional general education courses after transfer.

Additional Resources
• CSU General Education Requirements
• Intersegmental General Education Transfer Curriculum (IGETC)
• Transfer Courses - University of California
• Transfer Courses - CA State Universities and Colleges

Transfer Admission Procedures
Students should take the following steps to apply for admission as a transfer student to a four-year college or university:

1. Meet with your Skyline College counselor early, and throughout, your education to develop a Student Educational Plan (SEP). The SEP will provide you with a clear pathway for transfer.

2. Submit an admissions application to your intended transfer institution approximately one year in advance of planned transfer. Applications for the University of California and the California State
University are available online at the following websites:

- UC applications: admission.universityofcalifornia.edu/
- CSU applications: www.csumentor.edu

3. Submit completed application during the specified filing period. Students are discouraged from sending them early as they will not be accepted before the initial filing date.

4. If an entrance exam (SAT, ACT) is required for transfer admission, register for the exam at least six months in advance of transfer.

5. Submit a request to the Skyline College Office of Admissions and Records to have a transcript of your academic record sent to the transfer institution at the time(s) specified by that institution. Transcripts must be requested well in advance of the date required. Four-year colleges and universities will also require transcripts of work completed at ALL educational institutions.

6. After admitted to a CSU or UC campus, request a CSU GE or IGETC certification to be sent with your final transcript.

Transcript Evaluation and Course Substitution Service

Students are strongly advised to use the transcript evaluation service to determine how course work from other colleges/universities can be incorporated into their transfer planning. The Transcript Evaluation Service is available to students who are currently registered in 6 or more units in the San Mateo Community College District. A transcript evaluation provides important information to the student and counselor about how course work completed at other colleges and universities will be applied to the following Skyline College educational goals.

1. California State University General Education Certification – CSU GE
2. Intersegmental General Education Transfer Curriculum – IGETC Certification
3. Skyline College Associate Degree General Education requirements
4. Skyline College Major or Certificate requirements.

Detailed instructions for students on how to use this service can be found at http://smccd.edu/transeval.

California State University

The California State University offers instruction to undergraduate and master’s degree students in the liberal arts and sciences, applied fields, and professions, including teaching. Nearly 1,500 degree programs in 240 subject areas are offered. CSU assigns high priority to California community college transfer students who have completed the first two years of their baccalaureate program, including those applying for impacted programs.

The California State University has twenty-three campuses: Bakersfield, California Maritime Academy, Channel Islands, Chico, Dominguez Hills, Fresno, Fullerton, East Bay (Hayward), Humboldt, Long Beach, Los Angeles, Monterey Bay, Northridge, Pomona, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo, San Marcos, Sonoma and Stanislaus.

University of California

The University of California offers bachelor’s, master’s and doctoral degree programs in a broad array of subject areas. Last year, more than 6,000 students transferred from California’s community colleges to the University, and more than one-fifth of UC’s bachelor degrees were awarded to students who started out at a community college. The University is encouraging even more community college students to take this step in the coming years.

The University of California has a long-established relationship with Skyline College and has developed several special programs to help community college students with the transfer process. The University’s articulation agreements with Skyline College make it possible for prospective transfer students to select appropriate courses. receive priority consideration for transfer admission. The Intersegmental General Education Transfer Curriculum allows prospective transfer students to satisfy the lower division breadth/general education requirements of any UC campus before transferring.

While all of the campuses have similar requirements for undergraduate admission, they differ in size, enrollment, and in academic programs offered. In addition, the campuses vary in styles of campus life, with student populations reflecting a variety of cultures from the United States and abroad. The University of California includes nine general campuses: Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, and Santa Cruz. A tenth campus in San Francisco offers graduate and professional programs in the health sciences.

California Independent Colleges and Universities

There are more than 300 privately supported (or independent) degree-granting colleges and universities in California. Independent institutions enroll about one-quarter of all students attending four-year colleges and universities in California. The most distinctive feature of California’s accredited independent colleges and universities is their diversity of character, academic emphasis, and programs.
CSU GE/IGETC

CSU General Education Requirements

Upon completion of the full pattern of courses listed below, Skyline College will certify that a student's lower division general education requirements are completed for any of the 23 campuses within the CSU system (partial certification also available). Certification is not automatic. You may request certification with your final transcript online via WebSMART. For further information, please consult with a Skyline College counselor or the Skyline College Admissions & Records Office.

Attention: This list is a guide to help you in selecting courses and keeping track of your progress. You are strongly encouraged to meet with your counselor to determine which general education pattern is best for you to follow, review your course selections, and complete a Student Education Plan. The general education pattern you select is based on a variety of factors, including your major and the institution to which you plan to transfer.

TO BE ELIGIBLE FOR TRANSFER AS A JUNIOR TO A CSU CAMPUS, YOU MUST:

1. Complete at least 60 CSU transferable units with a “C” average (2.0).
2. Complete at least 30 of the 39 units from the GE courses listed below, including one course from each of the following areas: √ A1, √ A2, √ A3, and √ B4 with grades of “C” or higher. Please be aware that for some campuses and majors, you may not complete Areas A1, A2, A3 and B4 during your last term prior to enrolling at a CSU campus. Please consult with a counselor for specifics.
3. While a course may be listed in more than one area, it may be used to satisfy only ONE subject requirement.
4. While an AP test may be listed in more than one area, it may be used to satisfy only ONE subject requirement.

LEGEND:
# - Transfer credit is limited by either UC or CSU or both. Please consult with a counselor.
* - Includes lab activity in the course.
† - Separate lab activity course.

AREA A: ENGLISH LANGUAGE COMMUNICATION & CRITICAL THINKING (9 units required) One course each from A1 Oral Communication, A2 Written Communication, and A3 Critical Thinking.

<table>
<thead>
<tr>
<th>A1 ORAL COMMUNICATION</th>
</tr>
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<tbody>
<tr>
<td>COMM 110, 127, 130, 140, 150</td>
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<table>
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<tr>
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<th>A3 CRITICAL THINKING</th>
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<tbody>
<tr>
<td>ENGL 100, 105, 110, 165</td>
</tr>
<tr>
<td>PHIL 103, 200</td>
</tr>
</tbody>
</table>

AREA B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING (9 units required) One course each from B1 Physical Science, B2 Life Science, and B4 Mathematics. At least one of the science courses listed in B1 or B2 must include a lab component (B3†) as part of the course or as a separate lab course.

<table>
<thead>
<tr>
<th>B1 PHYSICAL SCIENCE</th>
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<tbody>
<tr>
<td>PHYS 1A, 1AH, 1AHI, 1BH, 1BHI</td>
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<table>
<thead>
<tr>
<th>B2 LIFE SCIENCE</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1A, 1AH, 1AHI, 1BH, 1BHI</td>
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<table>
<thead>
<tr>
<th>B4 MATHEMATICS</th>
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</thead>
<tbody>
<tr>
<td>MATH 1A, 1AH, 1AHI, 1BH, 1BHI</td>
</tr>
</tbody>
</table>

CSU GE/IGETC
### B1 PHYSICAL SCIENCE

- ASTR 100, 101†
- CHEM 112*, 114‡, 192*, 210*, 220*, 234, 237†, 235, 238†, 410*
- GEOG 100, 101†, 106‡
- GEOL 100, 105, 106‡, 210*, 220*
- OCEN 100, 101†
- PHYS 105 106†, 114‡, 210*, 220*, 250*, 260*, 270*

† Separate Lab Activity course meets Area B3 only, lab is listed with corresponding lecture course
‡ CHEM 114 same as PHYS 114.
# CHEM 192 approved for B1/B3 effective FA2017
*GEOL 106 same as GEOG 106.

### B2 LIFE SCIENCE

- ANTH 125, 127†
- BTEC 170‡, 171‡†
- ENVS 100#, ENVS 101†
- PSYC 220

† Separate Lab Activity course meets Area B3 only, lab is listed with corresponding lecture course
# BIOL 170 same as BTEC 170
‡ BIOL 171 same as BTEC 171
# ENVS 100 Approved to meet B2 FA2010 and thereafter

### B3 LABORATORY ACTIVITY

Separate lab activity course identified by “†” above in areas B1 or B2
Lab Activity included in the course, identified by an asterisk (*) above in areas B1 or B2

### B4 MATHEMATICS / QUANTITATIVE REASONING

- BUS. 120, 123
- COMP 262‡#
- MATH 130, 150, 200, 201, 222, 225, 241, 242, 243, 251, 252, 253, 268‡#, 270, 275
- PSYC 171

‡ COMP 262 same as MATH 268
# COMP 262 / MATH 268 approved for B4 effective FA2018

### AREA C: ARTS AND HUMANITIES (9 units required)
One course from C1 Arts, one course from C2 Humanities, and one course from either C1 Arts or C2 Humanities. Must complete a total of nine units.

### C1 ARTS

- ART 101, 102, 105, 107, 115‡, 120, 130, 175, 221, 350
- DANC 100, 102
- MUS. 100, 105, 115‡, 202, 204, 205, 240, 250, 275, 276, 277, 301, 470

‡ ART 115 same as MUS. 115.
**C2 HUMANITIES**

ARBC 111, 112  
ART 117  
ASL 100, 110, 111, 112, 121, 122  
CHIN 112, 121, 122  
DANC 102  
ECE. 191‡  
ENGL 110, 161  
FILI 110, 111, 112, 120  
FILM 440  
LIT. 101, 151, 154, 155, 156, 191‡, 201, 202, 220, 221, 231, 232, 251, 265, 266, 267, 277, 370, 432  
MUS. 276, 277  
PHIL 100, 160, 240, 280‡, 300, 312, 320  
PLSC 280‡, 335‡  
SOCI 341  
SPAN 110, 111, 112, 120, 121, 122, 130, 140, 160, 220, 230  
‡ECE. 191 same as LIT. 191  
‡HIST 335 same as PLSC 335  
‡PHIL 280 same as PLSC 280

**AREA D: SOCIAL SCIENCES (9 units required)** Choose from at least two disciplines or an interdisciplinary sequence.

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www.skylinecollege.edu
<table>
<thead>
<tr>
<th>Subject</th>
<th>Courses</th>
</tr>
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<td>BUS.</td>
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<td>ECE.</td>
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<td>ECON</td>
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<td>HIST</td>
<td>104, 106, 108, 201, 202, 203, 235, 240, 244, 248, 300, 310, 335‡, 429, 430, 432, 435, 436, 444, 453</td>
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<td>JOUR</td>
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<tr>
<td>PHIL</td>
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<td>PLSC</td>
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<td>PSYC</td>
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<tr>
<td>SOSC</td>
<td>270</td>
</tr>
</tbody>
</table>

‡HIST 335 same as PLSC 335.
‡PHIL 280 same as PLSC 280
‡PSYC 110 same as SOCI 110
‡ECE. 201 same as PSYC 201

**AREA E: LIFELONG LEARNING & SELF DEVELOPMENT (3 units required)** Complete three units from E1 or from E1 and E2 combined (Note: Maximum one unit applicable from Area E2. Must complete a minimum of two units in Area E1).

**E1**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Courses</th>
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<tbody>
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<td>ECE.</td>
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<td>HSCI</td>
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<td>P.E.</td>
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<td>SOCI</td>
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<tr>
<td>WELL</td>
<td>718</td>
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</tbody>
</table>

‡ECE. 201 same as PSYC 201
‡BIOL 310 formerly FCS 310 prior to FA2019
U.S. History, U.S. Constitution, California State and Local Government – CSU Graduation Requirement. Although not a transfer or CSU admissions requirement, the CSU system requires students to complete coursework in U.S. History (US-1), U.S. Government (US-2), California State & Local Government (US-3) as a graduation requirement. The following courses may meet the CSU graduation requirement and may be applied to meet CSU GE Area D or Area C2.

US-1 US History – HIST 108, 201, 202, 235, 244, 429; LEGL 275; PLSC 210

US-3 State & Local Government – HIST 240, 310; PLSC 200

Note:
#HIST 429 has been approved to meet US-1 only (US History) effective F12
#LEGL 275 has been approved to meet US-2 only (US Government) effective F14
#PLSC 200 meets both US Government (US-2) and State & Local Government (US-3)

Intersegmental General Education Transfer Curriculum (IGETC)

The Intersegmental General Education Transfer Curriculum (IGETC) is a general education pattern that fulfills all lower-division general education requirements at all California State University (CSU) and most University of California (UC) campuses/majors. It is also accepted by some private/independent or out of state universities. IGETC is usually recommended for students who intend to transfer to a CSU or UC campus, or who are not yet sure of their intended transfer university. Completion of the IGETC is not a requirement for transfer to the CSU or UC, nor is it the only way to fulfill the lower division general education requirements. Students transferring to CSU campuses may find it advantageous to follow CSU-GE requirements. Students transferring to UC may also complete campus specific breadth requirements. Please note: IGETC is not recommended and/or acceptable for some colleges and majors within the UC system. Please consult with your counselor.

Note:
- IGETC does not guarantee admissions to any CSU or UC campus. Please consult with a counselor regarding limitations or restrictions on the IGETC acceptance.
- All courses for IGETC must be completed with “C” or better grade.
- Courses listed in multiple AREAS shall not be certified in more than one area except for courses in Languages Other Than English (AREA 6 LOTE), which can be certified in both AREAS 3B and 6.

LEGEND:
# - Transfer credit is limited by either UC or CSU or both. Please consult with a counselor.
* - Includes lab activity in the course.
† - Separate lab activity course.

AREA 1: ENGLISH COMMUNICATION – (9 semester units) CSU: Three courses required – one from 1A, 1B and 1C
UC: Two courses required – one from 1A and 1B
## 1A ENGLISH COMPOSITION
ENGL 100, 105

## 1B CRITICAL THINKING – ENGLISH COMPOSITION
AP exam not accepted
ENGL 110, 165

## 1C ORAL COMMUNICATION (CSU requirement only)
AP exam not accepted
COMM 110, 127¥, 130, 140, 150
¥conditional approval

### AREA 2: MATHEMATICAL CONCEPTS and QUANTITATIVE REASONING (3 semester units). One course required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>BUS. 120#</td>
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<td>COMP 262‡</td>
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<td>MATH 200#, 201, 222, 225, 241#, 242#, 243, 251#, 252#, 253, 268‡¥, 270, 275</td>
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<tr>
<td>PSYC 171#</td>
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<tr>
<td>¥COMP 262/MATH 268 approved for Area 2 effective FA2018</td>
<td></td>
</tr>
<tr>
<td>‡ COMP 262 same as MATH 268</td>
<td></td>
</tr>
</tbody>
</table>

### AREA 3: ARTS and HUMANITIES (9 semester units) Three courses required: One from 3A (ARTS), one from 3B (HUMANITIES), and one from either 3A or 3B.

#### 3A ARTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>ART 101, 102, 105‡, 120, 130, 175, 350¥</td>
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<tr>
<td>DANC 100, 102</td>
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<td>FILM 440</td>
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<td>MUS 100, 115‡, 202, 204, 205, 240, 250, 276, 277</td>
<td></td>
</tr>
<tr>
<td>‡ART 115 same as MUS. 115</td>
<td></td>
</tr>
<tr>
<td>¥ART 350 approved for Area 3A effective FA2017</td>
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</tr>
</tbody>
</table>
## 3B HUMANITIES

- ART 117
- CHIN 122
- DANC 102
- ECE. 191
- HIST 100, 101, 104, 106, 108#, 109, 201#, 202#, 203, 235, 240, 244, 248, 310, 335‡, 410, 420, 429, 430, 432, 435, 444, 453, 462#, 463#, 464#
- LIT. 101, 151, 154, 155, 156, 191‡, 201, 202, 220, 221, 231, 232, 251, 265, 266, 267, 277, 370, 432
- MUS. 276, 277
- PHIL 100, 160, 240, 280‡, 300, 312, 320
- PLSC 280‡, 335‡
- SOCI 341
- SPAN 120‡, 121‡, 122‡, 130‡, 140‡, 160‡, 220‡, 230‡

‡ECE. 191 and LIT. 191 approved for Area 3B effective FA 2019

### AREA 4: SOCIAL and BEHAVIORAL SCIENCES (9 semester units) Three courses required. Choose from at least two disciplines or an interdisciplinary sequence

- ANTH 110, 150, 155, 165, 170, 180, 360
- COMM 160
- ECE. 201‡
- ECON 100, 102
- GEOG 110
- HIST 100, 101, 104, 106, 108#, 109, 201#, 202# 203, 235, 240, 244, 248, 300, 310, 335‡, 420, 429, 430, 432, 435, 436, 444, 453#, 462#, 463#, 464#
- JOUR 110
- LEGL 275
- PHIL 280#
- PLSC 115, 130, 150, 200#, 210#, 280‡, 315, 320, 335‡
- PSYC 100, 200, 201‡, 220, 230, 268, 300, 310, 390, 410
- SJS 110, 130
- SOCI 100, 105, 141, 142, 143, 160, 341
- SOSC 270
- ECE. 201 same as PSYC 201
- HIST 335 same as PLSC 335
- PHIL 280 same as PLSC 280
### AREA 5: PHYSICAL and BIOLOGICAL SCIENCES (7 – 9 semester units)
Complete one course from 5A Physical Science and one from 5B Biological Science. At least one of the science courses listed in 5A or 5B must include a lab (5C) as part of the course or as a separate lab course.

#### 5A PHYSICAL SCIENCE
- ASTR 100, 101†
- CHEM 112*, 114*, 192*, 210*, 220*, 234, 237†, 235, 238†
- GEOG 100, 101†, 106‡
- GEOL 100#, 105, 106‡, 210*, 220*
- OCEN 100, 101†
- PHYS 105, 106†, 114*, 210*, 220*, 250*, 260*, 270*‡

*Includes lab activity in the course
†Separate lab activity course
‡CHEM 114 same as PHYS 114
‡GEOG 106 same as GEOL 106
§CHEM 192 approved for Area 5A/5C effective FA2017

#### 5B BIOLOGICAL SCIENCE
- ANTH 125, 127†
- BTEC 170#, 171†
- ENVS 100†, 101¥
- PSYC 220¥

*BIOL 170 same as BTEC 170
*BIOL 171 same as BTEC 171
¥ENVS 100 approved for Area 5B effective FA2010
¥ENVS 101 approved for Area 5C effective FA2019
¥PSYC 220 approved for Area 5B effective FA2014

#### 5C SCIENCE LABORATORY
Separate lab activity courses identified by “†” above in areas 5A and 5B.
* - Includes lab activity in the course.
AREA 6: LANGUAGE OTHER THAN ENGLISH (LOTE) (UC Requirement Only)

To demonstrate proficiency, one of the following must be completed:

- Two years or the second level of high school instruction, with a grade of “C-” or better (verified by official high school transcript), in a high school where the language of instruction is English;
- Two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is NOT English (confirmed by appropriate documentation);
- Satisfactory completion of a UC transferable language course at a college or university with a grade of “C” or better, that is considered equivalent to the second level of high school instruction;
- Complete a Defense Language Institute Foreign Language Center (DLIFLC) language other than English course, which is indicated as passed with a “C” or higher on the official transcript;
- Satisfactory score on an approved SAT II Subject Tests: (Check with your counselor for required scores);
- Score of 3 or better on the College Board Advanced Placement (AP) Exam in a language other than English;
- Score of 5 or higher on the International Baccalaureate (IB) Higher Level Examination in a language other than English;
- Earn a grade of A, B or C on a language other than English GCSE/IGCSE/O-Level exam;
- Earn a grade of A, B or C on a language other than English GCE A-Level Exam;
- Satisfactory completion of an achievement test administered by a community college, university, or other college in a language other than English;
- If an achievement test is not available to assert proficiency, have competency verified by a faculty member associated with a U.S. regionally accredited college or university. Such verification requires that the college provide a document on letterhead asserting that the student’s proficiency in the language is equivalent to two years of high school instruction.
- Satisfactory completion of a course listed below:

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<tr>
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Note: A student whose native language is NOT English, and who has completed at least nine years of education conducted in that language, will NOT receive lower-division language credit for college courses in that language taken in the United States (including AP or IB Higher Level exam credit). College Credit for literature in the native language is allowed only for courses taken in native institutions of college grade or for upper division and graduate courses actually taken at a UC or at another institution of approved standing where the language of instruction is English.

U.S. HISTORY, CONSTITUTION and AMERICAN IDEALS (CSU Graduation Requirement Only)

Choose one course from Group A and one course from either Group B1 or Group B2, some courses may count in areas 3B or 4. Although not part of IGETC, AHI requirements may be completed prior to transfer. Some courses may count in AREAS 3B or 4.


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Note: HIST 429 approved to meet US-1 (U.S. History) only, effective FA 2012
- LEGL 275 approved to meet US-2 (U.S. Government) only, effective FA 2014
GROUP B1: State & Local Government (US-3)
HIST 240, 310
PLSC 301
OR
PLSC 200

PLSC 200 completes the US Government (US-2) AND State and Local Government (US-3) requirement for students who have satisfied the US History (US-1) requirement only at another institution.
UC/CSU Transfer Courses

Transfer Courses – University of California

COURSES DESIGNATED AS TRANSFERABLE TOWARD BACCALAUREATE DEGREE CREDIT AT ALL CAMPUSES OF THE UNIVERSITY OF CALIFORNIA

This information is current as of April 17, 2019. Please check with the Counseling Office or the Transfer Center for more up-to-date information.

TRANSFERS TO UNIVERSITY OF CALIFORNIA (UC) CAMPUSES

In order to qualify for transfer to the eight undergraduate University of California campuses, students should complete the IGETC (if applicable) or campus specific breadth requirements. To transfer as a junior, students must complete 60 transferable semester (90 quarter) units, including prerequisites for the intended major. Since each campus is unique, contact your counselor or the Transfer Center for further information.

† - Courses listed with a dagger: credit limitation - see your counselor

• ACCOUNTING
  • 121 Financial Accounting
  • 131 Managerial Accounting

• ADAPTIVE PHYSICAL EDUCATION
  • †358 Adapted Strength Development
  • †359 Balance and Functional Movement for the Physically Limited

• ADMINISTRATION OF JUSTICE
  • 100 Intro to Administration of Justice
  • 102 Principles and Procedures of Justice
  • 104 Concepts of Criminal Law
  • 106 Legal Aspects of Evidence
  • 108 Community Relations
  • 125 Juvenile Procedures

• AMERICAN SIGN LANGUAGE
  • †100 American Sign Language I
  • †110 American Sign Language II
  • †111/112 American Sign Language I & II
  • †121/122 Adv. Elementary Sign Language I and II

• ANTHROPOLOGY
  • 110 Cultural Anthropology
  • 125 Physical Anthropology
  • 127 Physical Anthropology Lab
  • 150 Intro to Archaeology: Bones, Beads and the Basics of Material Culture
  • 155 Human Prehistory & the Rise of Civilization
  • 165 Sex and Gender: Cross-Cultural Perspectives
  • 170 Anthropology of Death
  • 180 Magic, Witchcraft & Religion
  • 360 Native Peoples of North America

• ARABIC
  • 111 Elementary Arabic I
  • 112 Elementary Arabic II

• ART
  • 101 History of Western Art I
  • 102 History of Western Art II
  • 105 Art of Asia and the Near East
  • 115 Art, Music & Ideas
  • 117 Arts of Africa and the African Diaspora
  • 120 Art of the Americas
  • 130 Art Appreciation
  • 175 Visual Theory and Practice: Ceramic Art
  • 202 Form & Composition II
  • 204 Drawing I
  • 205 Drawing II
  • 207 Life Drawing
  • 214 Color
  • 217 Intermediate Life Drawing
  • 221 Painting I
  • 222 Painting II
  • 231 Water Color I
  • 232 Water Color II
  • 234 Printmaking I
  • 239 Printing II: Monotype, Monoprint, 301 Two-Dimensional Design
  • 350 Visual Perception Through Photography
  • 351 Black and White Photography I
  • 352 Black and White Photography II
  • 353 Black and White Photography III
  • 354 Color Photography I
  • 355 Color Photography II
  • 376 Digital Imaging I
  • 401 Three-Dimensional Design
  • 405 Sculpture I
  • 406 Sculpture II
  • 411 Ceramics I
  • 412 Ceramics II
  • 417 Ceramic Glazing Techniques
  • 418 Ceramics III
  • 430 Introduction to Digital Art
  • 431 Digital Imaging I: Photoshop
  • 435 Digital Illustration
  • 440 Introduction to Web Design
  • 441 Intermediate Web Design
  • 479 Typography

• ASTRONOMY
  • 100 Introduction to Astronomy
  • 101 Astronomy Laboratory
### UC/CSU Transfer Courses

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<td>Cross Training I</td>
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<td>Interactive Cardiovascular Fitness I</td>
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<td>Core Fitness Training I</td>
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<td>Core Fitness Training II</td>
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<td>Spinning I</td>
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<td>Spinning II</td>
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<td>Walking Fitness I</td>
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<td>Walking Fitness II</td>
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<td>Walking Fitness III</td>
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<tr>
<td>304.4</td>
<td>Walking Fitness IV</td>
</tr>
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UC/CSU TRANSFER COURSES

- 305.1 Cardiovascular Development - Running Emphasis I
- 305.2 Cardiovascular Development - Running Emphasis II
- 305.3 Cardiovascular Development - Running Emphasis III
- 305.4 Cardiovascular Development - Running Emphasis IV
- 308.1 Hiking and Trekking For Fitness I
- 308.2 Hiking and Trekking For Fitness II
- 308.3 Hiking and Trekking For Fitness III
- 308.4 Hiking and Trekking For Fitness IV
- 314.1 Backpacking for Fitness I
- 314.2 Backpacking for Fitness II
- 314.3 Backpacking for Fitness III
- 314.4 Backpacking for Fitness IV
- 332.1 Stretching and Flexibility I
- 332.2 Stretching and Flexibility II
- 332.3 Stretching and Flexibility III
- 332.4 Stretching and Flexibility IV
- 334.1 Yoga I
- 334.2 Yoga II
- 334.3 Yoga III
- 334.4 Yoga IV
- 335.1 Pilates I
- 335.2 Pilates II
- 335.3 Pilates III
- 335.4 Pilates IV
- 400.1 Fitness Academy I
- 400.2 Fitness Academy II
- 400.3 Fitness Academy III
- 400.4 Fitness Academy IV

GEOGRAPHY
- 100 Physical Geography
- 101 Physical Geography Laboratory
- 106 Weather and Climate
- 110 Cultural Geography
- 150 World Regional Geography
- 300 Geographic Information Science (GIS)

GEOLOGY
- 100 Survey of Geology
- 105 Environmental Earth Science
- 106 Weather and Climate
- 210 General Geology
- 220 Historical Geology
- 611 Field Geology I

HEALTH SCIENCE
- 100 General Health Science
- 130 Human Sexuality
- 135 Introduction to Public Health

HISTORY
- 100 History of Western Civilization I
- 101 History of Western Civilization II
- 104 World Civilizations I
- 106 World Civilizations II
- 1108 Survey of American History
- 109 Europe Since 1945
- 1201 United States History I
- 1202 United States History II
- 203 The United States Since 1945
- 235 History of Ethnic Groups in the U.S.
- 240 History of Ethnic Groups in California
- 244 African American History
- 248 Women and the American Experience
- 265 American Business and Labor History
- 300 History of San Francisco
- 310 California History
- 335 History and Politics of the Middle East
- 410 The Holocaust
- 420 Survey of Latin American History
- 429 History of Latinos in the United States
- 430 Early Asian Civilizations
- 432 Modern Asian Civilizations
- 435 History of the Philippines
- 436 Filipinos in America
- 444 Survey of Sub-Saharan African History
- 453 History of China
- 1462 Great Cities of the World: London, Cairo & Rome
- 1463 Great Cities of the World: Florence, Tokyo & Jerusalem
- 1464 Great Cities of the World: New York, Beijing & Granada

INDIVIDUAL ACTIVITIES
- 101.1 Archery I
- 101.2 Archery II
- 101.3 Archery III
- 101.4 Archery IV
- 121.1 Badminton I
- 121.2 Badminton II
- 121.3 Badminton III
- 121.4 Badminton IV
- 126 Coed Club Badminton
- 141 Bowling
- 160.1 Golf I
- 160.2 Golf II
- 160.3 Golf III
- 160.4 Golf IV
- 251.1 Tennis I
- 251.2 Tennis II
- 251.3 Tennis III
- 251.4 Tennis IV

JOURNALISM
- 110 Mass Media & Society
- 120 Writing and Reporting for the Media
- 121 Adv. Writing and Reporting for the Media

KINESOLOGY
- 100 Introduction to Kinesiology
- 305 Health-Related Fitness and Wellness
- 510 Sport, Movement, and Film

LEGAL STUDIES
• LGST 200 Restorative Justice

• LITERATURE
  • 101 Contemporary Literature
  • 151 Shakespeare
  • 154 Queer Literature
  • 155 The Graphic Novel
  • 156 Science Fiction and Fantasy Literature
  • 166 Women on Writing
  • 201 American Literature I
  • 202 American Literature II
  • 220 Introduction World Literature I
  • 221 Introduction to World Literature II
  • 231 Survey of British Literature I
  • 232 Survey of British Literature II
  • 251 Women in Literature
  • 265 Asian American Literature
  • 266 Black Literature
  • 267 Filipino Literature
  • 277 Film and Literature
  • 267 Filipino American Literature
  • 370 Readings in Literature of the Latino in the U.S.
  • 432 Folklore

• MATHEMATICS
  • †150 Mathematics for Elementary School Teachers I
  • ‡200 Elementary Probability & Statistics
  • 201 Math in Society
  • 222 Precalculus
  • ‡225 Fast Track to Calculus
  • ‡241 Applied Calculus I
  • ‡242 Applied Calculus II
  • ‡243 Business Calculus II with Trigonometry
  • ‡251 Calculus/Analytical Geometry I
  • ‡252 Calculus/Analytical Geometry II
  • 253 Calculus/Analytical Geometry III
  • ‡268 Discrete Mathematics for Computer Science
  • 270 Linear Algebra
  • 275 Ordinary Differential Equations

• MUSIC
  • 100 Fundamentals of Music
  • 105 Music Theory I
  • 106 Music Theory II
  • 107 Music Theory III
  • 108 Music Theory IV
  • 111 Musicianship I
  • 112 Musicianship II
  • 113 Musicianship III
  • 114 Musicianship IV
  • 115 Music, Art & Ideas
  • 202 Music Appreciation
  • 204 Music History
  • 205 History, Theory and Practice: Piano and the Keyboard I
  • 240 Music of the Americas
  • 250 World Music
  • 275 History of Jazz
  • 276 Hip Hop: Culture and Politics
  • 277 African American Music
  • 287.1 Urban Music Ensemble I
  • 287.2 Urban Music Ensemble II
  • 287.3 Urban Music Ensemble III
  • 287.4 Urban Music Ensemble IV
  • 301 Piano I
  • 302 Piano II
  • 303 Piano III
  • 304 Piano IV
  • 355 Violin/Viola I
  • 356 Violin/Viola II
  • 357 Violin/Viola III
  • 358 Violin/Viola IV
  • 377 Guitar I
  • 378 Guitar II
  • 379 Guitar III
  • 380 Guitar IV
  • 383.1 Guitar Ensemble I
  • 383.2 Guitar Ensemble II
  • 383.3 Guitar Ensemble III
  • 383.4 Guitar Ensemble IV
  • 401 Voice I
  • 402 Voice II
  • 403 Voice III
  • 404 Voice IV
  • 410.1 Voice for the Musical Theater Production I
  • 410.2 Voice for the Musical Theater Production II
  • 410.3 Voice for the Musical Theater Production III
  • 410.4 Voice for the Musical Theater Production IV
  • 420.1 Orchestra for the Musical Theater Production I
  • 420.2 Orchestra for the Musical Theater Production II
  • 420.3 Orchestra for the Musical Theater Production III
  • 420.4 Orchestra for the Musical Theater Production IV
  • 430.1 Concert Band I
  • 430.2 Concert Band II
  • 430.3 Concert Band III
  • 430.4 Concert Band IV
  • 440.1 Symphony Orchestra I
  • 440.2 Symphony Orchestra II
  • 440.3 Symphony Orchestra III
  • 440.4 Symphony Orchestra IV
  • 450.1 Jazz Band I
  • 450.2 Jazz Band II
  • 450.3 Jazz Band III
  • 450.4 Jazz Band IV
  • 470 Concert Choir
  • 470.1 Concert Choir I
  • 470.2 Concert Choir II
  • 470.3 Concert Choir III
  • 470.4 Concert Choir IV
  • 485.1 Vocal Jazz Ensemble I
  • 485.2 Vocal Jazz Ensemble II
  • 485.3 Vocal Jazz Ensemble III
  • 485.4 Vocal Jazz Ensemble IV
  • 501 Studio Lessons I

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• 502 Studio Lessons II
• 503 Studio Lessons III
• 504 Studio Lessons IV

• OCEANOGRAPHY
  • 100 Survey of Oceanography
  • 101 Oceanography Lab/Field Study

• PARALEGAL STUDIES
  • 275 Constitutional Law, Civil Rights, and Civil Liberties
  • 304 Concepts of Criminal Law
  • 306 Legal Aspects Evidence

• PHILOSOPHY
  • 100 Intro to Philosophy
  • 103 Critical Thinking
  • 160 History of Western Philosophy: Ancient & Medieval
  • 200 Intro to Logic
  • 240 Intro to Ethics
  • 280 Intro to Political Philosophy
  • 300 Intro to World Religions
  • 312 Intro to Philosophy of Religion
  • 320 Asian Philosophy

• PHYSICAL EDUCATION
  • †105 The Student-Athlete Experience
  • †211 Prevention and Care of Athletic Injuries
  • 302 Introduction to Sport Nutrition

• PHYSICS
  • 105 Conceptual Physics
  • 106 Conceptual Physics Laboratory
  • 114 Survey of Chemistry and Physics
  • †210 General Physics I
  • †211 General Physics I - Calculus Supplement
  • †220 General Physics II
  • †221 General Physics II - Calculus Supplement
  • †250 Physics with Calculus I
  • †260 Physics with Calculus II
  • †270 Physics with Calculus III

• POLITICAL SCIENCE
  • 115 Comparative Government
  • 130 International Relations
  • 150 Intro to Political Theory
  • †200 National, State & Local Government
  • †210 American Politics
  • 280 Intro to Political Philosophy
  • 301 California, State, & Local Government
  • 315 Introduction to Revolutionary Thought
  • 320 Latin America in the International Political Economy
  • 335 History and Politics of the Middle East

• PSYCHOLOGY
  • 100 General Psychology
  • 105 Experimental Psychology
  • 110 Courtship, Marriage and Family
  • †171 Quantitative Reasoning in Psychology
  • 200 Developmental Psychology
  • 201 Child Development
  • 220 Introduction to Psychobiology
  • 230 Introduction to Cross-Cultural Psychology
  • 268 Black Psychology
  • 300 Social Psychology
  • 310 Positive Psychology
  • 390 Psychology of Consciousness
  • 410 Abnormal Psychology

• SOCIAL JUSTICE STUDIES
  • SJS 100 Introduction to Social Justice Studies
  • SJS 130 Introduction to LGBTQ Studies

• SOCIAL SCIENCE
  • 270 The Civil Rights Movement

• SOCIOLOGY
  • 100 Intro to Sociology
  • 105 Contemporary Social Issues
  • 108 Community Relations
  • 110 Courtship, Marriage and Family
  • 129 Introduction to Research Methods
  • 141 Race & Ethnicity
  • 142 Filipina/o Community Issues
  • 143 Sociology of Migration/Immigration
  • 160 Sociology of Sex and Gender
  • 341 Asian Cultures and Societies

• SPANISH
  • 110 Elementary Spanish
  • †111/112 Elementary Spanish I & II
  • 120 Adv. Elementary Spanish
  • †121 Adv. Elementary Spanish I
  • †122 Adv. Elementary Spanish II
  • 130 Intermediate Spanish
  • 160 Readings in Literature in Spanish
  • †220 Spanish for Spanish Speakers I
  • 230 Spanish for Spanish Speakers II

• TEAM SPORTS
  • †100 Men's Baseball
  • †111.1 Basketball I
  • †111.2 Basketball II
  • †111.3 Basketball III
  • †111.4 Basketball IV
  • †112 Basketball: Adv. Competition Strategies
  • †116 Basketball: Individual Skill Development
  • †117 Basketball: Tournament Basketball
  • †132.1 Flag Football I
  • †132.2 Flag Football II
  • †132.3 Flag Football III
  • †132.4 Flag Football IV
  • †141.1 Soccer I
  • †141.2 Soccer II
  • †141.3 Soccer III
  • †141.4 Soccer IV
  • †148.1 Indoor Soccer I
  • †148.2 Indoor Soccer II
  • †148.3 Indoor Soccer III
Transfer Courses – CA State Universities and Colleges

COURSES DESIGNATED AS TRANSFERABLE BY SKYLINE COLLEGE TOWARD BACCALAUREATE DEGREE CREDIT AT CALIFORNIA STATE UNIVERSITIES AND COLLEGES

The courses listed below are transferable to campuses of the California State University system. Those courses followed with a letter and numerical indicator such as “A1”, “B2”, etc., may be used to fulfill CSU General Education Breadth requirements. See end of section for further details.

Note: This information is current as of May 30, 2018. Please check with the Counseling Office or the Transfer Center for more up-to-date information.

TRANSFERS TO THE CALIFORNIA STATE UNIVERSITY (CSU) CAMPUSES

There are 23 CSU campuses located from Humboldt County to San Diego. In addition to the General Education requirements, there may be major requirements that will need to be completed prior to transferring with junior status. Meet with your counselor or the Transfer/Career Center to get further information on the CSU GE and major requirements.

ACCOUNTING
- 100 Accounting Procedures
- 103 Ten Key Skills
- 121 Financial Accounting
- 131 Managerial Accounting
- 144 QuickBooks: Set-Up and Service Business
- 145 QuickBooks: Payroll and Merchandising Business
- 151 Intermediate Accounting I
- 152 Intermediate Accounting II
- 153 Intermediate Accounting III
- 154 Governmental and Nonprofit Accounting
- 155 Cost Accounting
- 156 International Accounting
- 158 Financial Statement Analysis
- 169 Accounting Ethics
- 171 Federal Income Tax
- 172 Business Income Taxes
- 175 Volunteer Income Tax Preparation
- 176 Enrolled Agent Exam Preparation
- 179 Taxation of Trusts, Gifts and Estates
- 197 Computerized Accounting
- 198 Adv. Computerized Accounting w/Peachtree
- 665 Selected Topics in Accounting
- 670 Vocational Cooperative Education in Accounting

ADAPTIVE PHYSICAL EDUCATION
- 358 Adapted Strength Development (E2)
- 359 Balance and Functional Movement for the Physically Limited (E2)

ADMINISTRATION OF JUSTICE
- 100 Introduction to Administration of Justice
- 102 Principles/Procedures of Justice
- 104 Concepts of Criminal Law
- 106 Legal Aspects of Evidence
- 108 Community Relations
- 110 Police Report Writing
- 120 Criminal Investigation
- 123 Concepts of Enforcement Principles
- 125 Juvenile Procedures
- 128 Juvenile Crime Prevention Strategies
- 134 Traffic Enforcement and Investigation
- 135 Narcotics and Special Investigations
- 665 Special Topics in Administration of Justice
- 670 Criminal Justice Internship (Cooperative Education)

AMERICAN SIGN LANGUAGE
- ASL 100 American Sign Language I (C2)
- ASL 110 American Sign Language II (C2)
- 111 American Sign Language IA (C2)
- 112 American Sign Language IB (C2)
- 121 Adv. Elementary American Sign Language I (C2)
- 122 Adv. Elementary American Sign Language II (C2)

ANTHROPOLOGY
- 110 Cultural Anthropology (D)
- 125 Physical Anthropology (B2)
- 127 Physical Anthropology Laboratory (B3)
- 150 Intro to Archaeology (D)
- 155 Human Prehistory & The Rise of Civilization (D)
- 165 Sex and Gender: Cross-Cultural Perspectives (D)
- 170 Anthropology of Death (D)
• 180 Magic, Witchcraft & Religion (D)
• 360 Native Peoples of North America (D)

• ARABIC
  • 111 Elementary Arabic I (C2)
  • 112 Elementary Arabic II (C2)

• ART
  • 101 History of Western Art I (C1)
  • 102 History of Western Art II (C1)
  • 105 Art of Asia & Near East (C1)
  • 107 Art of Our Times (C1)
  • 115 Art, Music & Ideas (C1)
  • 117 Arts of Africa and the African Diaspora (C2)
  • 120 Art of the Americas (C1)
  • 130 Art Appreciation (C1)
  • 171 Visual Theory and Practice: B/W Photography
  • 175 Visual Theory and Practice: Ceramic Art (C1)
  • 202 Form & Composition II
  • 204 Drawing I
  • 205 Drawing II
  • 207 Life Drawing
  • 214 Color
  • 217 Intermediate Life Drawing
  • 221 Painting I (C1)
  • 222 Painting II
  • 231 Water Color I
  • 232 Water Color II
  • 234 Printmaking I
  • 239 Printmaking II: Monotype, Monoprint and Mixed Media
  • 301 Two-Dimensional Design
  • 311 Lettering & Layout I
  • 312 Lettering & Layout II
  • 322 Illustration
  • 338 Advertising Art
  • 350 Visual Perception through Photography (C1)
  • 351 Black & White Photography I
  • 352 Black & White Photography II
  • 353 Black & White Photography III
  • 354 Digital Photography I
  • 355 Digital Photography II
  • 363 Alternative Processes in Photography I
  • 364 Alternative Processes in Photography II
  • 376 Digital Imaging I
  • 377 Digital Imaging II
  • 401 Three-Dimensional Design
  • 405 Sculpture I
  • 406 Sculpture II
  • 407 Sculpture III: Direct Metal
  • 408 Bronze Casting
  • 411 Ceramics I
  • 412 Ceramics II
  • 417 Ceramic Glazing Techniques
  • 418 Ceramics III
  • 425.1 Studio Practices in Photography I
  • 425.2 Studio Practices in Photography II
  • 430 Introduction to Digital Art
  • 431 Digital Imaging I: Photoshop
  • 432 Digital Imaging II: Advanced Photoshop
  • 435 Digital Illustration
  • 440 Introduction to Web Design
  • 441 Intermediate Web Design
  • 479 Typography
  • 665/667 Special Topics in Art
  • 695 Independent Study in Art

• ASTRONOMY
  • 100 Introduction to Astronomy (B1)
  • 101 Astronomy Laboratory (B3)

• AUTOMOTIVE TECHNOLOGY
  • 510 Basic Hybrid Powertrains
  • 511 Principles of Hybrid and Electric Drives
  • 520 Automotive Breaking Systems
  • 521 Manual Transmission, Clutches & Differentials
  • 522 Automotive Steering, Suspension & Alignment Systems
  • 523 Automotive Electrical & Electronic Systems
  • 524 Smog Check Inspector Training Level I
  • 525 Smog Check Inspector Training Level II
  • 526 Automatic Transmission Principles, Repair & Diagnosis
  • 529 Modern Engine Design, Troubleshooting & Repair
  • 530 Engine Design with Cylinder Head Diagnosis & Repair
  • 531 Engine Design with Block Diagnosis & Repair
  • 541 Electricity and Electronics I
  • 542 Electricity and Electronics II
  • 546 Body Control Systems
  • 665 Selected Topics in Automotive
  • 706 Toyota Engines
  • 707 Toyota Transmissions
  • 709 Auto Service Orientation
  • 713 Auto Electricity & Electronics
  • 716 Auto Cooling/Heating & Air Conditioning
  • 721 Automotive Steering, Suspension & Brakes
  • 734 Auto Engine Diagnosis/Repair
  • 735 Auto Transmission/Drive Trains Diagnosis/Repair
  • 739 OBD II Evaporative Emission Systems
  • 745 Asian Brakes & Chassis
  • 749 Asian Engine Performance
  • 751 Automotive Engine Performance
  • 752 Adv. Engine Performance
  • 753 Auto Service Advising
  • 754 High Performance Engines I
  • 755 High Performance Engines II
  • 758 Automotive Computer Controls
  • 761 Auto Brakes II
  • 764 Emissions Control Systems I
  • 768 On-Board Diagnostics II (OBD-II)
  • 769 Head & Valve Service
  • 774 European Electronic Engine Controls
  • 776 Drive Lines & Differentials
  • 777 Automatic Transmissions I
  • 778 Manual Transmissions I
• 779 Block Service
• 781 Electrical III
• 786 Automotive Air Conditioning Systems
• 787 Automatic Transmissions II (Apprenticeship)
• 790 Automotive Brakes I
• 791 Automotive Chassis II
• 792 Automotive Chassis I
• 793 Engine Performance
• 824 Smog Check Inspector Training Level I (Apprenticeship)
• 825 Smog Check Inspector Training Level II (Apprenticeship)
• 858 Automotive Computer Controls (Apprenticeship)
• 860 Automotive Air Conditioning Systems (Apprenticeship)
• 868 On-Board Diagnostics II (OBD-II) (Apprenticeship)
• 910 Basic Hybrid Powertrains (Apprenticeships)
• 920 Automotive Breaking Systems (Apprenticeship)
• 921 Manual Transmission, Clutches & Differentials (Apprenticeship)
• 922 Automotive Steering, Suspension & Alignment Systems (Apprenticeship)
• 923 Automotive Electrical & Electronic Systems (Apprenticeship)
• 926 Automatic Transmission Principles, Repair and Diagnosis (Apprenticeship)
• 929 Modern Engine Design, Troubleshooting & Repair (Apprenticeship)
• 930 Engine Design with Cylinder Head Diagnosis & Repair (Apprenticeship)
• 931 Engine Design with Block Diagnosis & Repair (Apprenticeship)

• BIOLOGY
• 101 Our Biological World (B2), (B3)
• 110 Principles of Biology (B2), (B3)
• 111 Natural History of California (B2), (B3)
• 130 Human Biology (B2)
• 140 Animals, People & Environment (B2)
• 145 Plants, People & Environment (B2)
• 150 Intro to Marine Biology (B2)
• 170 Principles of Applied Bioscience (B2)
• 171 Laboratory Principles of Applied Bioscience (B3)
• 215 Organismal Biology (B2), (B3)
• 230 Intro to Cell Biology (B2), (B3)
• 240 General Microbiology (B2), (B3)
• 250 Human Anatomy (B2), (B3)
• 260 Human Physiology (B2), (B3)
• 310 Nutrition (E1)
• 365 Intertidal Interpretation
• 415 Intro to Biotechnology Manufacturing
• 416 Laboratory Skills for Biotechnology Technicians
• 422 Foundations of Biotechnology
• 426 Genetic Engineering
• 430 Intro to Immunology
• 432 Fermentation Technology
• 665 Selected Topics in Biology
• 675 Honors Colloquium in Biology
• 695 Independent Study in Biology

• BIOTECHNOLOGY
• 150 Biotechnology Instrumentation: Quality Control and Genetic Engineering
• 170 Principles of Applied Bioscience (B2)
• 171 Laboratory Principles of Applied Bioscience (B3)
• 210 Business and Regulatory Practices in Biotechnology
• 220 Cell Culture and Protein Recovery
• 400 Foundations of Biotechnology
• 480 Biotechnology Project I
• 482 Biotechnology Project II
• 484 Biotechnology Research Project I

• BUSINESS
• 100 Intro to Business (D)
• 101 Human Relations at Work (D)
• 103 Intro to Business Information Systems
• 107 Dealing with Difficult People
• 120 Mathematical Analysis for Business (B4)
• 123 Statistics (B4)
• 150 Entrepreneurship - Small Business Management
• 161 Creativity and Innovation in Entrepreneurship
• 162 Money Talks: Personal Finance
• 166 The Business Plan
• 180 Principles of Marketing
• 182 Techniques of Promotion
• 188 Consumer Behavior & Interpreting Marketing Dynamics
• 201 Business Law
• 205 Business Ethics
• 221 Global Business Communications and Negotiation
• 227 Global Business Contracts
• 241 Doing Business in Asia
• 246 Doing Business in China
• 248 Asian Management Systems
• 269 Warehousing and Logistics
• 287 Fundamentals of Project Management
• 400 Business English
• 401 Business Communications
• 665 Selected Topics in Business
• 670 Vocational Cooperative Education in Business
• 695 Independent Study in Business

• BUSINESS COMPUTER SYSTEMS AND MANAGEMENT
• 100 Beginning Computer Keyboarding
• 101 Computer Keyboarding Skill Building
• 104 Intro to Computers w/Windows I
• 105 Intro to Computers w/Windows II
• 106 Microsoft Outlook
• 200 Intro to Computer Applications and Suites
• 201 Integration of MS Office Applications
• 214 Word Processing I: Word
• 215 Word Processing II: Word
• 220 Desktop Publishing: PageMaker
• 222 Business Presentations I: PowerPoint
• 223 Business Presentations II: PowerPoint
• 225 Spreadsheets I: Excel
• 226 Spreadsheets II: Excel
• 230 Database Applications I: Access
• 231 Database Applications II: Access
• 241 MS Project Fundamentals I
• 242 MS Project Fundamentals II
• 243 MS Project Fundamentals III
• 244 MS Project Fundamentals IV
• 245 MS Project Fundamentals V
• 301 Maximizing Your Employment Potential
• 403 HTML & Web Authoring Applications I
• 404 HTML & Web Authoring Applications II
• 417 Adobe Illustrator Essentials
• 665 Selected Computer Topics
• 685 Independent Study in Business Computer Systems and Management

• CAREER AND PERSONAL DEVELOPMENT
• 116 Deciding on a Major
• 137 Life & Career Planning (E1)
• 140 Peer Counseling
• 145 Soft Skills for the Work Place
• 665 Selected Topics in Career (E1)

• CHEMISTRY
• 112 Chemistry in Action (B1), (B3)
• 114 Survey of Chemistry and Physics (B1), (B3)
• 192 Elementary Chemistry (B1), (B3)
• 210 General Chemistry I (B1), (B3)
• 220 General Chemistry II (B1), (B3)
• 234 Organic Chemistry I (B1)
• 235 Organic Chemistry II (B1)
• 237 Organic Chemistry Lab I (B3)
• 238 Organic Chemistry Lab II (B3)
• 410 Chemistry for Health Sciences (B1), (B3)
• 416 Chemistry Lab Skills for Biotechnology Technicians

• CHINESE
• 111 Elementary Chinese I
• 112 Elementary Chinese II (C2)
• 115 Business Chinese
• 121 Adv. Elementary Chinese I (C2)
• 122 Adv. Elementary Chinese II (C2)

• COMBATIVES
• 105.1 Ju Jitsu I (E2)
• 105.2 Ju Jitsu II (E2)
• 105.3 Ju Jitsu III (E2)
• 301 Beginning Wrestling (E2)
• 302 Intermediate Wrestling (E2)
• 401.1 Self Defense I (E2)
• 401.2 Self Defense II (E2)
• 401.3 Self Defense III (E2)
• 401.4 Self Defense IV (E2)
• 404.1 Shotokan Karate I (E2)
• 404.2 Shotokan Karate II (E2)
• 404.3 Shotokan Karate III (E2)
• 404.4 Shotokan Karate IV (E2)

• COMMUNICATION STUDIES
• 110 Public Speaking (A1)
• 127 Argumentation and Debate (A1)
• 130 Interpersonal Communication (A1)
• 140 Small Group Communication (A1)
• 150 Intercultural Communication (A1)
• 160 Gender and Communication (D)

• COMPUTER SCIENCE
• 118 Introduction to Object-Oriented Program Design
• 155 Computer Programming Visual BASIC
• 156 Intermediate Programming in Visual BASIC
• 250 Introduction to Object-Oriented Programming: C++
• 251 Introduction to Microcontrollers with C/C++
• 252 Data Structures: C++
• 256 Computer Architecture and Assembly Language
• 262 Discrete Mathematics for Computer Science (B4)
• 284 Introduction to Object-Oriented Programming: Java
• 286 Data Structures: Java
• 412 Flash I
• 413 Flash II
• 423 Javascript
• 665 Selected Topics in Computer Science
• 695 Independent Study in Computer Science

• COOPERATIVE EDUCATION
• 670 Vocational Cooperative Education
• 671 General Cooperative Education

• COUNSELING
• 100 College Success (E1)
• 101 Prep for College
• 102 Student Success Strategies
• 104 Understanding Transfer
• 105 Up Your Self-Esteem
• 106 Anxiety Management
• 107 Coping with Depression
• 108 Anger Management
• 640 Money Management for Academic Success
• 650.1 Kapatinan Seminar – College Success Factors
• 650.2 Kapatinan Seminar – Transition to College
• 651 Puente Seminar
• 652 Honors Seminar – Applying to Competitive Universities
• 655.1 Hermanos and Hermanas Seminar – College Success Factors
• 655.2 Hermanos and Hermanas Seminar – Transition to College
• 656.1 Hermanas Seminar – College Success Factors
• 656.2 Hermanas Seminar – Transition to College
• 657 Auto Guidance Seminar – Career Advancement Academy
• 658 Allied Health Seminar – Career Advancement Academy

• DANCE
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**DRAMA**

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**EARLY CHILDHOOD EDUCATION**

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<td>Child, Family, and Community (D)</td>
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<td>262</td>
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<td>Curriculum and Strategies for Children with Special Needs</td>
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• 270 Intro to Infant/Toddler Child Care
• 272 Teaching in a Diverse Society
• 273 Supporting Young Bilingual Learners
• 275 Children's Language & Literacy Development
• 311 Children's Nutrition
• 314 Health, Safety & Nutrition for Young Children
• 331 The Role of the Teacher
• 333 Observation and Assessment
• 335 Child Guidance
• 339 Social Emotional Learning Fundamentals
• 360 Advocacy in the Early Childhood Field
• 366 Practicum in Early Childhood Education
• 367 Practicum in Early Childhood Education: Special Topics
• 665 Selected Topics in ECE
• 695 Independent Study in ECE

• ECONOMICS
• 100 Principles of Macroeconomics (D)
• 102 Principles of Microeconomics (D)

• EDUCATION
• 100 Introduction to Education (D)
• 120 Historical, Socio-Cultural, and Philosophical Foundations of Education
• 200 Introduction to Classroom Teaching
• 201 Professional Ethics in Special Education
• 202 Special Education Capstone

• ELECTRONICS TECHNOLOGY
• 110 Intro to Fundamentals of Electronics
• 410 Intro to Solar Installation & Integration

• EMERGENCY MEDICAL CARE
• 180 Gateway to Health Careers
• 400 Emergency Medical Responder
• 410 Emergency Medical Technician
• 425 CPR: Health Care Provider

• ENERGY SYSTEMS TECHNOLOGY MANAGEMENT
• 400 Clean Energy Concepts, Policies and Industries
• 402 Introduction to Residential Construction
• 410 Intro to Solar Installation and Integration
• 411 Introduction to Solar Photovoltaics (PV) Systems and Markets
• 412 Solar Photovoltaics (PV) Design Fundamentals
• 413 Solar Photovoltaics (PV) Finance and Sales
• 421 Principles of Building Science, How Houses Work
• 425 Commercial and Residential Building Performance Concepts
• 426 Building Performance Retrofitting
• 427 Introduction to Whole Home Heating, Ventilation, and Cooling (HVAC)
• 428 Field Training and Exam Preparation for Energy Efficiency
• 441 Solar Thermal Technology and Design
• 445 Commercial Solar Photovoltaics (PV) Finance and Sales
• 450 Fundamentals of Construction Management
• 480 Energy Summer Camp

• 490 Capstone Project in Energy Systems Technology Management
• 491 Climate Protection Professional I
• 492 Climate Protection Professional II
• 665 Selected Topics in Energy Systems Technology Management

• ENGINEERING
• 100 Introduction to Engineering
• 210 Engineering Graphics
• 215 Computational Methods for Engineers and Scientists
• 230 Statics
• 240 Dynamics
• 260 Circuits and Devices
• 261 Circuits and Devices Laboratory
• 270 Material Science
• 400 Introduction to STEM
• 6805A Autonomous Systems Engineering Academy
• 695 Independent Study in Engineering

• ENGLISH
• 100 Composition (A2),(A3)
• 103 Applied English Skills for Cultural Production I
• 104 Applied English Skills for Cultural Production II
• 105 Intensive Composition (A2), (A3)
• 110 Composition, Literature, & Critical Thinking (A2), (A3), (C2)
• 161 Creative Writing I (C2)
• 162 Creative Writing II
• 165 Critical Thinking & Adv. Composition (A3)
• 166 Women on Writing
• 203 Applied English Skills for Cultural Production III
• 204 Applied English Skills for Cultural Production IV
• 695 Independent Study in English

• ENGLISH FOR SPEAKERS OF OTHER LANGUAGES
• 400 English Composition for Nonnative Speakers

• ENVIRONMENTAL SCIENCE AND TECHNOLOGY
• 100 Intro to Environmental Science (B2)
• 101 Environmental Science Laboratory (B3)
• 491 Climate Protection Professional I
• 492 Climate Protection Professional II

• FAMILY & CONSUMER SCIENCES
• 695 Independent Study in Family & Consumer Sciences

• FILIPINO
• 110 Elementary Filipino (C2)
• 111 Elementary Filipino I (C2)
• 112 Elementary Filipino II (C2)
• 120 Adv. Elementary Filipino (C2)
• 121 Adv. Elementary Filipino I

• FILM
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• 440 Film Study & Appreciation (C2)

• FITNESS
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• 107 Intercollegiate Fitness
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• 112.2 Cross Training II (E2)
• 112.3 Cross Training III (E2)
• 112.4 Cross Training IV (E2)
• 116.1 Body Conditioning I (E2)
• 116.2 Body Conditioning II (E2)
• 116.3 Body Conditioning III (E2)
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• 166.1 Golf Fitness I (E2)
• 166.2 Golf Fitness II (E2)
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• 199.1 Interactive Cardiovascular Fitness I (E2)
• 199.2 Interactive Cardiovascular Fitness II (E2)
• 201.1 Weight Training I (E2)
• 201.2 Weight Training II (E2)
• 201.3 Weight Training III (E2)
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• 219.1 Core Fitness Training I (E2)
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• 400.2 Fitness Academy II (E2)
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  • 101 Physical Geography Lab (B3)
  • 106 Weather and Climate (B1), (B3)
  • 110 Cultural Geography (D)
  • 150 World Regional Geography (D)
  • 300 Geographic Information Science (GIS)
  • 301 Intro to Map Reading for GIS
  • 302 Intro to GIS & ArcView
  • 303 GIS Applications
• GEOLOGY
  • 100 Survey of Geology (B1)
  • 105 Environmental Earth Science (B1)
  • 106 Weather and Climate (B1), (B3)
  • 210 General Geology (B1), (B3)
  • 220 Historical Geology (B1), (B3)
  • 611 Field Geology I
  • 695 Independent Study in Geology
• HEALTH SCIENCE
  • 100 General Health (E1)
  • 130 Human Sexuality (E1)
  • 135 Introduction to Public Health
  • 150 Death & Dying (E1)
  • 161 Information and Referral: Understanding Community Resources
  • 180 Gateway to Health Careers
  • 314 Health, Safety and Nutrition for Young Children
  • 405 Emergency Care for First Responders
  • 484 Medical Terminology
  • 665 Life Styles – Health Issues (E1)
• HISTORY
  • 100 History of Western Civilization I (C2)
  • 101 History of Western Civilization II (C2)
  • 104 World Civilizations I (C2), (D)
  • 106 World Civilizations II (C2), (D)
  • 108 Survey of American History (C2), (D)
  • 109 Europe Since 1945 (C2)
  • 201 U.S. History I (D)
  • 202 U.S. History II (D)
  • 203 The United States Since 1945 (D)
  • 235 History of Ethnic Groups in the U.S. (D)
  • 240 History of Ethnic Groups in California (D)
  • 244 African American History (C2, D)
  • 248 Women and the American Experience (C2), (D)
  • 300 History of San Francisco (D)
  • 310 California History (D)
  • 335 History & Politics of the Middle East (C2), (D)
  • 410 The Holocaust (C2)
  • 420 Survey of Latin American History (C2)
- UC/CSU Transfer Courses
  - 429 History of Latinos in the United States (C2, D)
  - 430 Early Asian Civilizations (C2, D)
  - 432 Modern Asian Civilizations (C2, D)
  - 435 History of the Philippines (C2, D)
  - 436 Filipinos in America (D)
  - 444 Survey of Sub-Saharan African History (C2, D)
  - 453 History of China (C2, D)
  - 462 Great Cities of the World: London, Cairo and Rome
  - 463 Great Cities of the World: Florence, Tokyo and Jerusalem
  - 464 Great Cities of the World: New York, Beijing and Granada

- Hospitality and Tourism Management
  - 101 Intro to Hospitality and Tourism Management
  - 108 Technology Essentials in Hospitality
  - 120 Sanitation Practices in the Hospitality Industry
  - 124 Excellence in Guest Service
  - 125 Restaurant and Banquet Operations
  - 130 Food & Beverage/Restaurant Management
  - 140 Intro to Meeting, Event and Conference Management
  - 164 Legal Aspects of Hospitality and Tourism
  - 230 Hotel and Resort Management
  - 231 Food, Beverage and Labor Cost Controls
  - 665 Selected Topics in Hospitality and Tourism
  - 672 Hospitality and Tourism Internship

- Individual Activities
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  - 101.2 Archery II (E2)
  - 101.3 Archery III (E2)
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  - 168.1 Tournament Golf I
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  - 251.1 Tennis I (E2)
  - 251.2 Tennis II (E2)
  - 251.3 Tennis III (E2)
  - 251.4 Tennis IV (E2)

- International Business
  - 100 Global Trade and Logistics I
  - 101 Global Trade and Logistics II
  - 102 Customs Brokerage and Procedures I
  - 103 Customs Brokerage and Procedures II
  - 104 Principles of Customs Compliance
  - 113 Introduction to Supply Chain Management
  - 115 Computerized Logistics
  - 200 Introduction to International Business
  - 210 International Finance
  - 243 Legal Environment of International Business

- Interdisciplinary Studies
  - 680SA Life and Culture of the Local Area-Italy

- Italian
  - 103 Italian for Travelers

- Japanese
  - 115 Basic Business Japanese

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  - 110 Mass Media & Society (D)
  - 120 Writing & Reporting for the Media
  - 121 Adv. Writing & Reporting for the Media
  - 300 Newspaper Staff
  - 301 Online Newspaper Staff
  - 302 Newspaper Workshop
  - 320 Beginning Newspaper Staff
  - 330 Intermediate Newspaper Staff
  - 340 Intermediate Advanced Newspaper Staff
  - 350 Advanced Newspaper Staff
  - 695 Independent Study in Journalism

- Kinesiology
  - 100 Introduction to Kinesiology
  - 305 Health-Related Fitness and Wellness (E)
  - 510 Sport, Movement and Film (D)
  - 670 Vocational Cooperative Education in Kinesiology
  - 695 Independent Study in Kinesiology

- Learning Skills
  - 110 Effective Tutoring and Practicum

- Legal Studies
  - 200 Restorative Justice

- Literature
  - 101 Contemporary Literature (C2)
  - 151 Introduction to Shakespeare (C2)
  - 154 Queer Literature (C2)
  - 155 Comics and the Graphic Novel (C2)
  - 156 Science Fiction and Fantasy Literature (C2)
  - 191 Children's Literature (C2)
  - 201 American Literature I (C2)
  - 202 American Literature II (C2)
  - 220 Introduction to World Literature I (C2)
  - 221 Introduction to World Literature II (C2)
  - 231 Survey of British Literature I (C2)
  - 232 Survey of British Literature II (C2)
  - 251 Women in Literature (C2)
  - 265 Asian American Literature (C2)
  - 266 Black Literature (C2)
  - 267 Filipino American Literature (C2)
  - 277 Film and Literature (C2)
  - 370 Readings in Literature of the Latino in the U.S. (C2)
• 432 Folklore (C2)
• MANAGEMENT
  • 100 Intro to Business Management
  • 101 Introduction to Human Resources Management
  • 150 Human Resources Law and Labor Relations
  • 151 Human Resources Compensation & Benefits
  • 152 Human Resources Talent Acquisition & Performance
  • 153 Managing Culture and Diversity
  • 450 Fundamentals of Construction Management
• MATHEMATICS
  • 130 Trigonometry (B4)
  • 150 Mathematics for Elementary School Teachers I (B4)
  • 200 Elementary Probability & Statistics (B4)
  • 201 Math in Society (B4)
  • 222 Precalculus (B4)
  • 225 Fast Track to Calculus (B4)
  • 241 Applied Calculus I (B4)
  • 242 Applied Calculus II (B4)
  • 243 Business Calculus II with Trigonometry (B4)
  • 251 Calculus/Analytical Geometry I (B4)
  • 252 Calculus/Analytical Geometry II (B4)
  • 253 Calculus/Analytical Geometry III (B4)
  • 268 Discrete Mathematics for Computer Science (B4)
  • 270 Linear Algebra (B4)
  • 275 Ordinary Differential Equations (B4)
  • 670 Vocational Cooperative Education in Mathematics
• MEDICAL ASSISTING
  • 400 Patient and Health Care Concerns
  • 405 Introduction to Health Information Systems
  • 410 Introduction to Pharmacology
  • 420 Medical Anatomy and Pathophysiology
  • 430 Introduction to Medical Insurance Billing
  • 438 Medical Insurance Billing Clerkship
  • 440 Introduction to Medical Editing
  • 448 Medical Editing Clerkship
  • 450 Introduction to CPT (Current Procedural Terminology) Coding
  • 455 Introduction to ICD-9 Coding
  • 457 International Statistical Classification of Diseases (ICD) Coding II
  • 458 Medical Coding Clerkship
  • 460 Introduction to Administrative Medical Assisting
  • 462 Administrative Medical Assisting II
  • 468 Administrative Medical Assisting Clerkship
  • 484 Medical Terminology
• MUSIC
  • 100 Fundamentals of Music (C1)
  • 105 Music Theory I (C1)
  • 106 Music Theory II
  • 107 Music Theory III
  • 108 Music Theory IV
  • 111 Musicianship I
  • 112 Musicianship II
  • 113 Musicianship III
  • 114 Musicianship IV
  • 115 Music, Art & Ideas (C1)
  • 202 Music Appreciation (C1)
  • 204 Music History (C1)
  • 205 History, Theory and Practice: Piano and Keyboard I (C1)
  • 240 Music of the Americas (C1)
  • 250 World Music (C1)
  • 275 History of Jazz (C1)
  • 276 Hip Hop: Culture and Politics (C1, C2), (D)
  • 277 African American Music (C1), (C2)
  • 286 Business of Independent Music
  • 287.1 Urban Music Ensemble I
  • 287.2 Urban Music Ensemble II
  • 287.3 Urban Music Ensemble III
  • 287.4 Urban Music Ensemble IV
  • 290 Intro to MIDI Music
  • 301 Piano I (C1)
  • 302 Piano II
  • 303 Piano III
  • 304 Piano IV
  • 355 Violin/Viola I
  • 356 Violin/Viola II
  • 357 Violin/Viola III
  • 358 Violin/Viola IV
  • 377 Guitar I
  • 378 Guitar II
  • 379 Guitar III
  • 380 Guitar IV
  • 383.1 Guitar Ensemble I
  • 383.2 Guitar Ensemble II
  • 383.3 Guitar Ensemble III
  • 383.4 Guitar Ensemble IV
  • 401 Voice I
  • 402 Voice II
  • 403 Voice III
  • 404 Voice IV
  • 410.1 Voice for the Musical Theater Production I
  • 410.2 Voice for the Musical Theater Production II
  • 410.3 Voice for the Musical Theater Production III
  • 410.4 Voice for the Musical Theater Production IV
  • 420.1 Orchestra for the Musical Theater Production I
  • 420.2 Orchestra for the Musical Theater Production II
  • 420.3 Orchestra for the Musical Theater Production III
  • 420.4 Orchestra for the Musical Theater Production IV
  • 430.1 Concert Band I
  • 430.2 Concert Band II
  • 430.3 Concert Band II
  • 430.4 Concert Band II
  • 440.1 Symphony Orchestra I
  • 440.2 Symphony Orchestra II
  • 440.3 Symphony Orchestra III
- 440.4 Symphony Orchestra IV
- 450.1 Jazz Band I
- 450.2 Jazz Band II
- 450.3 Jazz Band III
- 450.4 Jazz Band IV
- 470 Concert Choir (C1)
- 470.1 Concert Choir I
- 470.2 Concert Choir II
- 470.3 Concert Choir III
- 470.4 Concert Choir IV
- 485.1 Vocal Jazz Ensemble I
- 485.2 Vocal Jazz Ensemble II
- 485.3 Vocal Jazz Ensemble III
- 485.4 Vocal Jazz Ensemble IV
- 501 Studio Lessons I (Applied Music I)
- 502 Studio Lessons II (Applied Music II)
- 503 Studio Lessons III (Applied Music III)
- 504 Studio Lessons IV (Applied Music IV)
- 667 Special Topics In Music Performance
- 695 Independent Study in Music

**NETWORK ENGINEERING TECHNOLOGIES**
- 400 Introduction to Local Area Network
- 401 Survey of Networking and Wireless Technologies
- 410 Structured Wiring and Cabling
- 411 Fiber Optics Technology
- 413 Wireless Local Area Networks
- 420 PC Configuration and Repair
- 421 A+ Certification Exam Preparation
- 423 Mobile Device Connectivity
- 430 Introduction to Routers
- 431 Network Switches-Concepts and Applications
- 432 Routing Concepts and Applications
- 435 Network Security
- 439 Troubleshooting the Internetwork
- 440 Advanced Local Area Network
- 443 Introduction to Linux Administration
- 450 Voice Over IP (VoIP) Essentials
- 665 Selected Topics in Telecommunications

**OCEANOGRAPHY**
- 100 Survey of Oceanography (B1)
- 101 Oceanography Lab/Field Study (B3)

**PARALEGAL STUDIES**
- 240 Intro to Law
- 245 Paralegal Profession
- 247 Paralegal Profession II
- 250 Legal Research, Writing, and Analysis I
- 252 Civil Litigation I
- 260 Legal Research, Writing, and Analysis II
- 265 Labor Law & Collective Bargaining
- 266 Probates, Estates & Trusts
- 275 Constitutional Law, Civil Rights, and Civil Liberties (D)
- 290 Community Legal Services Clinic
- 304 Concepts of Criminal Law
- 305 Judicial Process in California
- 306 Legal Aspects of Evidence
- 320 Criminal Investigation
- 354 Civil Litigation II
- 430 Law Office Technology
- 670 Paralegal Internship

**PHILOSOPHY**
- 100 Intro to Philosophy (C2)
- 103 Critical Thinking (A3)
- 160 History of Western Philosophy: Ancient & Medieval (C2)
- 200 Intro to Logic (A3)
- 240 Intro to Ethics (C2)
- 280 Intro to Political Philosophy (C2), (D)
- 300 Intro to World Religions (C2)
- 312 Intro to Philosophy of Religion (C2)
- 320 Asian Philosophy (C2)

**PHYSICAL EDUCATION**
- 105 The Student-Athlete Experience (E1)
- 152 Theory of Sport & Fitness Management
- 211 Prevention and Care of Athletic Injuries
- 301 Introduction to Personal Training
- 302 Introduction to Sport Nutrition

**PHYSICS**
- 105 Conceptual Physics (B1)
- 106 Conceptual Physics Laboratory (B3)
- 114 Survey of Chemistry and Physics (B1), (B3)
- 210 General Physics I (B1), (B3)
- 211 General Physics I – Calculus Supplement
- 220 General Physics II (B1), (B3)
- 221 General Physics II – Calculus Supplement
- 250 Physics with Calculus I (B1), (B3)
- 260 Physics with Calculus II (B1), (B3)
- 270 Physics with Calculus III (B1), (B3)
- 695 Independent Study in Physics

**POLITICAL SCIENCE**
- 115 Comparative Government (D)
- 130 International Relations (D)
- 150 Intro to Political Theory (D)
- 200 National, State & Local Government (D)
- 210 American Politics (D)
- 280 Intro to Political Philosophy (C2), (D)
- 301 California State & Local Government (D)
- 315 Introduction to Revolutionary Thought (D)
- 320 Latin America in the International Political Economy (D)
- 335 History & Politics of the Middle East (C2), (D)

**PSYCHOLOGY**
- 100 General Psychology (D)
- 105 Experimental Psychology
- 110 Courtship/Marriage/Family (D)
- 171 Quantitative Reasoning in Psychology (B4)
- 200 Developmental Psychology (D), (E1)
- 201 Child Development (D), (E1)
- 220 Introduction to Psychobiology (B2), (D)
- 230 Introduction to Cross-Cultural Psychology (D)
- 238 Arab Cultural Psychology (D)
• 268 Black Psychology (D)
• 300 Social Psychology (D)
• 301 Psychology of Personal Development (D)
• 310 Positive Psychology (D)
• 390 Psychology of Consciousness (D)
• 410 Abnormal Psychology (D)

• REAL ESTATE
  • 100 Real Estate Principles
  • 110 Real Estate Practice
  • 130 California Mortgage Loan Brokering & Lending
  • 131 Real Estate Finance I
  • 665 Selected Real Estate Topics

• RESPIRATORY CARE
  • 400 Patient & Health Care Concerns
  • 410 Intro to Patient Care & Respiratory Assessment Techniques
  • 415 Respiratory Pharmacology
  • 420 Application of Cardiopulmonary Anatomy & Physiology
  • 430 Intro to Respiratory Therapeutics
  • 438 Clinical Clerkship I
  • 445 Respiratory Diseases I
  • 448 Clinical Clerkship II
  • 450 Respiratory Diseases II
  • 458 Clinical Clerkship III
  • 460 Respiratory Critical Care
  • 475 Hemodynamic Monitoring & Selected Topics in Respiratory Care
  • 480 Diagnostic Testing and Outpatient Respiratory Care
  • 484 Medical Terminology for Respiratory Therapy
  • 485 Clinical Medicine Seminar
  • 488 Clinical Clerkship IV
  • 490 Neonatal and Pediatric Respiratory Care
  • 495 Respiratory Care Board Examination Preparation & Review
  • 665 Selected Topics in Respiratory Care
  • 695 Independent Study in Spanish

• SOCIAL JUSTICE STUDIES
  • 110 Introduction to Social Justice Studies (D)
  • 130 Introduction to LGBTQ Studies (D)

• SOCIAL SCIENCE
  • 160 Women in Transition Seminar
  • 270 The Civil Rights Movement (D)
  • 659 Life and Culture of the Local Area - Cuba
  • 680SE Community Action for Change

• SOCIOLGY
  • 100 Intro to Sociology (D)
  • 105 Contemporary Social Issues (D)
  • 108 Community Relations
  • 110 Courtship, Marriage & Family (D)
  • 129 Introduction to Research Methods
  • 141 Race & Ethnicity (D)
  • 142 Filipina/o Community Issues (D)
  • 143 Sociology of Migration and Immigration (D)
  • 160 Sociology of Sex and Gender (D), (E1)
  • 201 Sociology of Health & Medicine (D)
  • 341 Asian Cultures and Societies (C2), (D)

• SPANISH
  • 101 Spanish for Public Service I
  • 103 Spanish for Travelers
  • 110 Elementary Spanish (C2)
  • 111 Elementary Spanish I (C2)
  • 112 Elementary Spanish II (C2)
  • 120 Adv. Elementary Spanish (C2)
  • 121 Adv. Elementary Spanish I (C2)
  • 122 Advanced Elementary Spanish II (C2)
  • 130 Intermediate Spanish (C2)
  • 140 Adv. Intermediate Spanish (C2)
  • 160 Readings in Literature in Spanish (C2)
  • 220 Spanish for Spanish Speakers I (C2)
  • 230 Spanish for Spanish Speakers II (C2)
  • 695 Independent Study in Spanish

• STUDENT GOVERNMENT
  • 111 Student Government I
  • 112 Student Government II
  • 115 Community Service & Leadership Practicum

• TEAM SPORTS
  • 100 Men's Baseball (E2)
  • 111.1 Basketball I (E2)
  • 111.2 Basketball II (E2)
  • 111.3 Basketball III (E2)
  • 111.4 Basketball IV (E2)
  • 112 Basketball: Adv. Competition Strategies (E2)
  • 116 Basketball: Individual Skill Development (E2)
  • 117 Basketball: Tournament Basketball (E2)
  • 132.1 Flag Football I (E2)
  • 132.2 Flag Football II (E2)
  • 132.3 Flag Football III (E2)
  • 132.4 Flag Football IV (E2)
  • 141.1 Soccer I (E2)
  • 141.2 Soccer II (E2)
  • 141.3 Soccer III (E2)
  • 141.4 Soccer IV (E2)
  • 148.1 Indoor Soccer I (E2)
  • 148.2 Indoor Soccer II (E2)
  • 148.3 Indoor Soccer III (E2)
  • 148.4 Indoor Soccer IV (E2)
  • 179 Tournament Volleyball (E2)
  • 188 Volleyball Theory, Defense (E2)
  • 189 Volleyball Theory, Offense (E2)
  • 190 Baseball Theory, Defense (E2)
  • 191 Baseball Theory, Offense (E2)
  • 192 Men's Basketball Theory, Defense (E2)
  • 193 Men's Basketball Theory, Offense (E2)
  • 194 Women's Basketball Theory, Defense (E2)
  • 195 Women's Basketball Theory, Offense (E2)
  • 196 Mens’ Soccer Theory, Defense (E2)
UC/CSU TRANSFER COURSES

• 197 Men's Soccer Theory, Offense (E2)
• 198 Women's Soccer Theory, Defense (E2)
• 199 Women's Soccer Theory, Offense (E2)
• 201 Wrestling Theory (E2)

VARSIY SPORTS
• 100 Varsity Baseball (E2)
• 110 Men's Varsity Basketball (E2)
• 150 Men's Varsity Soccer (E2)
• 200 Varsity Wrestling (E2)
• 300 Women's Varsity Basketball (E2)
• 340 Women's Varsity Volleyball (E2)
• 350 Women's Varsity Badminton (E2)
• 360 Women's Varsity Soccer (E2)

WELLNESS
• 713 Asian Bodywork Traditions Theory and Practice
• 718 Stress Management Techniques for Health and Wellness (E1)
• 733 Thai Chi for Health
• 760 Intro to Holistic, Complementary and Integrative Health/Medicine
• 765 Everyday Uses of Herbs
Limitations On Scheduling Courses

Some courses in this catalog will not be scheduled in 2019-2020. Additional courses may be added. Skyline College reserves the right to discontinue, postpone, or combine classes and to change instructors when circumstances warrant such changes. Further, it reserves the right to cancel classes that do not reach a minimum enrollment.

Unless otherwise designated, any course may be offered either in day or evening. Additionally, some courses are offered online. Specific information concerning class hours and locations will be found in the current Class Schedule.

Course Descriptions Information

Courses on the following pages form the basic offerings at Skyline College. Generally in the following course descriptions, both semesters of a sequential course are listed together if the first semester course is a prerequisite to the second semester course. If there is no entry, the course has no prerequisite. All courses are offered for a letter grade, unless otherwise noted.

The credit value of each course in semester units is indicated by the number in parentheses following the title. A semester unit of credit is based upon one hour of the student's time at the college per week in lecture or recitation throughout one semester, together with the time necessary in preparation, or a longer time in laboratory or other exercises not requiring outside preparation. With a normal schedule of 15 college units, the average student will devote approximately 45 hours per week to class attendance and preparation.

Skyline College reserves the right to make appropriate course and program changes during the course of the year which may not be reflected in this catalog.

Course Numbering And Transferable Credit

The course numbering system in use at Skyline College as part of the San Mateo County Community College District categorizes courses according to the following:

100-599 Courses generally transferable to a four-year college or university.

600-699 Courses varying in content and which are usually transferable.

700-799 Courses that are part of a specific occupational program and which are not generally regarded as transferable.

800-899 Courses that are non-transferable in nature.

Courses accepted by the University of California are indicated at the end of each course description as “UC.” A complete list of transferable courses can be found in the Transfer Planning section.

Courses identified by Skyline College as transferable to California State Universities are indicated at the end of each course description as “CSU.” Courses that fulfill general education requirements show an area letter designation following. All transferable courses that satisfy general education to CSU can be found in the Transfer Planning section.

Because of changing regulations governing the transferability of courses among the segments of higher education in California, students should consult a counselor for current information about specific items. From time to time, a department may offer a course which is experimental in nature, covers a special topic, or which consists of independent study tailored to a student's needs. Because such courses are never exactly the same, you will not find them described in the catalog. They are, however, regular credit courses of the College. Usually they will be described in the Schedule of Classes or in other course advertising and will have a department name followed by one of the following numbers: 670 Vocational Cooperative Education courses (1-4) Vocational Cooperative Education courses are offered under COOP 670 as well as the 670 number in a variety of vocational disciplines. Courses numbered 670 are transferable to CSU.

880 Experimental Courses Courses designed to study a particular area or problem beyond the scope of regularly offered courses. These courses can be offered for a letter grade or for Credit/No Credit.

695 INDEPENDENT STUDY (.5-3) (Pass/No Pass or letter grade.)

Hours/semester: 24 lab hours by arrangement for each .5 unit. Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used — laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Transfer credit: CSU. Courses numbered 680 or 695 are generally transferable.
Courses numbered 880 are not transferable. See a counselor for specifics.

**Course Repetition**

The Board of Trustees of the San Mateo County Community College District has adopted a policy (District Rules and Regulations, Section 6.17.1) in which three types of courses are designated as repeatable:

**Intercollegiate Athletics** — Courses in which student athletes enroll to participate in an organized sport sponsored by the district or a conditioning course which supports the organized competitive sport may be designated as repeatable. (Title 5 Section 55040/55041)

**Intercollegiate Academic or Vocational Competition** — Courses that are specifically for participation in non-athletic competitive events between students from different colleges may be designated as repeatable. The course must be tied to the student’s participation in the competition. The event must be sanctioned by a formal collegiate or industry governing body.

**Required by CSU or UC for Completion of a Bachelor’s Degree** — Repetition of the course is required by CSU or UC for completion of the bachelor’s degree. Courses are limited to four attempts and this enrollment limitation applies even if the student receives a substandard grade or a “W.” (Title 5 Section 55041)

These courses will be designated as “may be repeated for credit” in the College Catalog. For more information on this policy, please consult your College counselor. For further information, see Course Repetition under the Academic Standards section of this Catalog.
Accounting

ACTG 100 ACCOUNTING PROCEDURES
Introduction to financial accounting procedures for proprietorships in service and merchandising operations. Instruction in manual and computerized accounting systems with hands-on computer experience. **Letter Grade Only. Degree Credit.**

**Units:** 3

**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. Completion of MATH 110, or MATH 111 and MATH 112, with a grade of C or better, or equivalent.

**Transfer Credit:** CSU

ACTG 103 TEN-KEY SKILLS
Development of speed and accuracy using the ten-key pad on a computer keyboard for the four basic functions of addition, subtraction, multiplication, and division. **Pass/No Pass Only. Degree Credit.**

**Units:** 0.5

**Hours/semester:** 8-9 Lecture; 16-18 TBA

**Transfer Credit:** CSU

ACTG 121 FINANCIAL ACCOUNTING
Students taking their first course in accounting are strongly encouraged to complete ACTG 100 before enrolling in ACTG 121. Explores what financial accounting is, why it is important, and how it is used by investors and creditors to make decisions. Covers the application of generally accepted accounting principles, the classified financial statements, and statement analysis. Includes issues relating to asset, liability, and equity valuation; revenue and expense recognition; cash flow; internal controls; and ethics. **Letter Grade Only. Degree Credit.**

**Units:** 4

**Hours/semester:** 64-72 Lecture; 16-18 TBA; 112-126 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. ACTG 100 or equivalent; and BCM. 225 or equivalent.

**Transfer Credit:** CSU, UC

C-ID: ACCT 110

ACTG 131 MANAGERIAL ACCOUNTING
Examination of how managers use accounting information in decision-making, planning, directing operations, and controlling in an ethical environment. Focus on cost terms and concepts, cost behavior, cost structure, and cost-volume-profit analysis. Examination of profit planning, standard costs, operations and capital budgeting, cost control, and accounting for costs in manufacturing organizations. **Letter Grade Only. Degree Credit.**

**Units:** 4

**Hours/semester:** 64-72 Lecture; 16-18 TBA; 112-126 Homework

**Prerequisites:** ACTG 121 or equivalent.

**Recommended:** BCM. 225 or equivalent.

**Transfer Credit:** CSU, UC

C-ID: ACCT 120

ACTG 144 QUICKBOOKS: SET-UP AND SERVICE BUSINESS
Development and operation of a computerized accounting system using QuickBooks and QuickBooks Pro for the Service Business. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1.5

**Hours/semester:** 24-27 Lecture; 48-54 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU

C-ID: ACCT 120

ACTG 145 QUICKBOOKS: PAYROLL AND MERCHANDISING BUSINESS
Set up and maintenance of a computerized financial accounting system using the advanced features of QuickBooks Pro, along with coverage of payroll and the merchandising business. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1.5

**Hours/semester:** 24-27 Lecture; 48-54 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. ACTG 144 or equivalent.

**Transfer Credit:** CSU

C-ID: ACCT 110
ACTG 151 INTERMEDIATE ACCOUNTING I
The first in a series of three intermediate financial accounting courses. Application of Generally Accepted Accounting Principles (GAAP) and International Financial Reporting Standards (IFRS). Topics include processing and reporting financial transactions and information relating to the content and structure of financial statements and related notes, revenues and expenses recognition, time value of money and its application in an accounting framework, and analysis of current assets and current liabilities. NOTE: This course is intended for students who hold a Bachelor's degree and who need the course to meet the CPA exam coursework requirement or Advanced Accounting Certificate. Accounting majors who intend to transfer to UC or CSU should take this course at their transfer school. [CPE Hours: CPA, 45 hours]. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ACTG 121 or equivalent.
Transfer Credit: CSU

ACTG 152 INTERMEDIATE ACCOUNTING II
The second in a series of three intermediate financial accounting courses. Application of Generally Accepted Accounting Principles (GAAP) and International Financial Reporting Standards (IFRS). Topics acquisition and disposal of plant assets, intangible assets, long-term liabilities and leases. This course is intended for students who hold a Bachelor's degree and who need the course to meet the CPA exam coursework requirement or Advanced Accounting Certificate. Accounting majors who intend to transfer to UC or CSU should take this course at their transfer school. [CPE Hours: CPA, 45 hours]. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ACTG 121 or equivalent.
Recommended: ACTG 151
Transfer Credit: CSU

ACTG 153 INTERMEDIATE ACCOUNTING III
The third in a series of three intermediate financial accounting courses. Application of Generally Accepted Accounting Principles (GAAP) and International Financial Reporting Standards (IFRS). Topics include revenue recognition, valuation of stockholders' equity, earnings per share, derivatives, income taxes, pensions and post-retirement benefits, and share-based compensation. This course is intended for students who hold a Bachelor's degree and who need the course to meet the CPA exam coursework requirement or Advanced Accounting Certificate. Accounting majors who intend to transfer to UC or CSU should take this course at their transfer school. [CPE Hours: CPA, 45 hours]. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ACTG 121 or equivalent.
Recommended: ACTG 151
Transfer Credit: CSU

ACTG 154 GOVERNMENTAL AND NONPROFIT ACCOUNTING
Study of the theory and practice of accounting for local and state government entities and nonprofit agencies. Topics include analysis and application of pronouncements from the Governmental Accounting Standards Board (GASB); fund accounting, operational and cash budgeting, and operational control issues; transaction analysis, financial statement preparation and analysis, and external reporting issues. This course is intended for students who hold a Bachelor's degree and who need the course to meet the CPA exam coursework requirement or Advanced Accounting Certificate. Accounting majors who intend to transfer to UC or CSU should take this course at their transfer school. [CPE Hours: CPA, 45 hours]. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ACTG 121 or equivalent.
Transfer Credit: CSU

ACTG 155 COST ACCOUNTING
Study of the theory and practice of managerial cost accumulation concepts and techniques for product and service costing, planning and control. Special emphasis will be placed on the use of cost accounting information for decision-making and the preparation, analysis and use of cost accounting information. Topics include cost volume profit analysis, cost accumulation techniques, decentralization, transfer pricing, capital budgeting, cost allocation, budgeting, statistical cost estimation. Managerial uses of information for planning, control, and performance evaluation. This course is intended for students who hold a Bachelor's degree and who need the course to meet the CPA exam coursework requirement or Advanced Accounting Certificate. Accounting majors who intend to transfer to UC or CSU should take this course at their transfer school. [CPE Hours: CPA, 45 hours]. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ACTG 121 or equivalent.
Recommended: ACTG 151
Transfer Credit: CSU
Prerequisites: ACTG 131 or equivalent.
Transfer Credit: CSU

ACTG 156 INTERNATIONAL ACCOUNTING
Explore and analyze the differences in financial reporting under U.S. GAAP, International Financial Reporting Standards (IFRS) and other accounting systems, such as Chinese accounting system. Topics include accounting issues related to international business activities and foreign operations, strategic accounting issues of multinational companies, corporate governance, and corporate social responsibility reporting. This course is intended for students who hold a Bachelor's degree and who need the course to meet the CPA exam coursework requirement or Advanced Accounting Certificate. Accounting majors who intend to transfer to UC or CSU should take this course at their transfer school. [CPE Hours: CPA, 45 hours] Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ACTG 121 or equivalent.
Transfer Credit: CSU

ACTG 158 FINANCIAL STATEMENT ANALYSIS
Effective and efficient research, interpretation and analysis of financial statements and other financial information. [CPE Hours: CPA, 45 hours]. Letter Grade Only. Degree Credit.

Units: 4
Hours/semester: 64-72 Lecture; 128-144 Homework
Prerequisites: ACTG 121 or equivalent.
Transfer Credit: CSU

ACTG 169 ACCOUNTING ETHICS
The study of ethical problems that arise within the contexts of the accounting profession. Topics include major ethical theories and the professional code of conduct for accountants, auditors, and tax preparers. The course is intended to meet the education requirement to sit for the CPA exam and also meets the California Board of Accountancy accounting ethics course requirement for CPA licensure. [CPE Hours: CPA, 48 hours] Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU

ACTG 171 FEDERAL INCOME TAX
Preparation of Federal and California income tax returns for individuals; basic income tax law, theory and practice. Students who successfully complete this course may apply to the California Tax Education Council (CTEC) to become a Registered Tax Preparer in California. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 4
Hours/semester: 64-72 Lecture; 16-18 TBA; 112-126 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Completion of MATH 110, or MATH 111 and MATH 112, with a grade of C or better, or equivalent.
Transfer Credit: CSU

ACTG 172 BUSINESS INCOME TAXES
Preparation of Federal and California income tax returns for corporations, partnerships and sole proprietorships. Completion of ACTG 172 will enable students to complete most tax returns required of professional tax preparers. Letter Grade Only. Degree Credit.

Units: 4
Hours/semester: 64-72 Lecture; 16-18 TBA; 112-126 Homework
Recommended: ACTG 100 or ACTG 121 or equivalent; and ACTG 171 or equivalent.
Transfer Credit: CSU

ACTG 175 VOLUNTEER INCOME TAX PREPARATION
Preparation of Federal and California income tax returns and use of tax preparation software. Topics include Capital Gains and Losses, Business Income and Expenses, the Earned Income Tax Credit (EITC), Child Tax Credit, Child and Dependent Care Credit, filing status, dependency exemptions, basic deductions, and adjustments. Students serve in the Volunteer Income Tax Assistance (VITA) program and prepare income tax returns for qualifying individuals at no cost. Skyline VITA volunteers receive 32 hours of instruction and prepare income tax returns for 24 hours at the Skyline VITA site. Pass/No Pass Only. Degree Credit.

Units: 2.5
Hours/semester: 32-36 Lecture; 24-27 Lab; 64-72 Homework
Transfer Credit: CSU
**ACTG 176 ENROLLED AGENT EXAM PREPARATION**

Preparation for the IRS Enrolled Agent exam, known as the SEE (Special Enrollment Exam). Topics include taxation of individuals, inheritance, gifts, estates; taxation of small businesses, partnerships, farmers, C corporations, S corporations; taxation of not-for-profit entities, foreign corporations, and retirement plans. Other topics include fiduciary tax returns, determination of tax-exempt status, practice before the IRS and tax prepare rules. Course content will be adjusted to reflect changes in the SEE. [CPE Hours: CPA, CTEC 48 Fed] Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** ACTG 121 and ACTG 172 or equivalent.  
**Transfer Credit:** CSU

**ACTG 179 TAXATION OF TRUSTS, GIFTS AND ESTATES**

Preparation of Federal and California income tax returns for trusts, estates, and gifts. Topics include income tax law, theory, and practice, and preparation of Forms 1041 (Fiduciary), 706 (Estate) and 709 (Gift) and the related California tax forms. This course is part of the Enrolled Agent Exam Preparation Certificate and the CPA Exam Preparation Series. [CPE Hours: CPA, EA, CTEC 48 Fed] Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** ACTG 121 and ACTG 171 and ACTG 172 or equivalent.  
**Transfer Credit:** CSU

**ACTG 665 SELECTED TOPICS IN ACCOUNTING**

Short course used to introduce, develop or review accounting and/or financial topics related to financial planning. Focus on a variety of topics, such as basic accounting skills, introduction to current accounting and financial software applications, upgrades to accounting software, and other related financial planning and budgeting topics. Grade Option (Letter Grade or Pass/No Pass).

**Units:** 0.5 - 3  
**Hours/semester:** 8-54 Lecture; 16-54 TBA; -54 Homework  
**Recommended:** Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or equivalent.  
**Transfer Credit:** CSU

**ACTG 670 VOCATIONAL COOPERATIVE EDUCATION IN ACCOUNTING**

Students may receive credit for work experience related to their major field or to their established career goal. Seminars and individual conferences are scheduled at convenient times during the semester for the instructor and the student to establish learning objectives related to the student’s employment. Students are given appropriate assignments related to the stated objectives and graded in accordance with the college's established grading system. As an alternative, related instruction classes meeting one hour per week, usually in the evening, are available for those students who prefer or need a more structured learning process. One unit of credit for each 75 hours worked per semester, with a maximum of four units per semester, may be earned by students with jobs related to their academic or occupational majors or goals. May be repeated for credit up to 16 units. This limitation applies to Occupational Cooperative Education work experience courses offered within the SMCCCD. Pass/No Pass Only. Degree Credit.

**Units:** 2  
**Hours/semester:** 150 Work Experience  
**Prerequisites:** Permission of the Cooperative Education Office, concurrent enrollment in a planned vocational program, and employment in a college-approved job directly related to the student’s academic major.  
**Transfer Credit:** CSU

**Administration of Justice**

**ADMJ 100 INTRODUCTION TO ADMINISTRATION OF JUSTICE**

Introduction to the history and philosophy of administration of justice including law enforcement, the courts, and corrections. The responsibilities of criminal justice agents, legal frameworks, and the role of the justice system in a pluralistic society. Exploration of the concepts of crime causation, punishments and rehabilitation, and training standards of criminal justice personnel. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** AJ 110
ADMJ 102 PRINCIPLES AND PROCEDURES OF JUSTICE
The role and responsibilities of each segment within the administration of justice system: law enforcement, judicial, and corrections. Procedures in each sub-system and how they relate to one another. May include field research. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or equivalent.
Transfer Credit: CSU, UC
C-ID: AJ 122

ADMJ 104 CONCEPTS OF CRIMINAL LAW
Historical development and philosophy of criminal law and constitutional provisions. Special emphasis on legal definitions, the classifications of crime and their application to the administration of justice system. Study of case law, methodology, and concepts of law as a social force. Also listed as LEGL 304. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or LEGL 240 or equivalent.
Transfer Credit: CSU, UC
C-ID: AJ 160

ADMJ 106 LEGAL ASPECTS OF EVIDENCE
Origin, development, philosophy and constitutional basis of evidence; constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions and interpreting individual rights and case studies. Also listed as LEGL 306. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or LEGL 240 or equivalent.
Transfer Credit: CSU, UC
C-ID: AJ 140

ADMJ 108 COMMUNITY RELATIONS
Study of the complex and dynamic relationship between the criminal justice system and the widely diverse multicultural society it serves in addressing crime and conflict. Emphasis will be on the roles and interaction of administration of justice practitioners and their agencies in the community, the challenges and prospects of administering justice within a diverse multicultural population, crime prevention, restorative justice, conflict resolution, and professional ethics in justice administration. Also listed as SOCI 108. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or SOCI 100 or equivalent.
Transfer Credit: CSU, UC
C-ID: AJ 160

ADMJ 120 CRIMINAL INVESTIGATION
An Administration of Justice course that explores the concepts of, and techniques used in, the investigation of crime, including crime scene protection, searching for and processing evidence, conducting interviews and interrogations, surveillance, the scientific analysis of evidence, and the preparation of investigative reports. Also listed as LEGL 320. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or LEGL 240 or equivalent.
Transfer Credit: CSU
C-ID: AJ 140

ADMJ 123 CONCEPTS OF ENFORCEMENT PRINCIPLES
Explanation of theories, philosophies, and concepts related to the role expectations of an enforcement officer. Emphasis is placed on patrol, traffic, and public service responsibilities and their relationship to the administration of justice systems. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or equivalent.
Transfer Credit: CSU
ADMJ 125 JUVENILE PROCEDURES
The study of the extent, causation, and prevention of juvenile delinquency. Includes an analysis of juvenile courts, institutional treatment, probation, parole, and juvenile delinquency prevention programs. The sociological and anthropological approaches to juvenile delinquency will be discussed in terms of their relationship to the administration of justice systems. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or equivalent.
Transfer Credit: CSU, UC
C-ID: AJ 220

ADMJ 128 JUVENILE CRIME PREVENTION STRATEGIES
Innovative exploration of juvenile justice and issues facing at-risk youth: criminal law, the consequences of crime, and crime avoidance strategies. Course includes field trips and service learning opportunities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

ADMJ 665 SELECTED TOPICS IN ADMINISTRATION OF JUSTICE
Advanced specialized study in Administration of Justice. This program is designed to offer unique or specialized criminal justice topics of contemporary student interest. Students will learn from and work closely with criminal justice practitioners and bring this newly acquired knowledge back into the community. Topics vary. May be repeated for credit as topics vary. Pass/No Pass Only. Degree Credit.
Units: 0.5 - 2
Hours/semester: 8-36 Lecture; 16-72 Homework
Recommended: Satisfactory completion of, or concurrent enrollment in, ADMJ 100 or equivalent.
Transfer Credit: CSU

American Sign Language

ASL 100 AMERICAN SIGN LANGUAGE I
A beginning course designed to introduce students to the visual-gestural richness of American Sign Language as it is used within the Deaf culture. Introduces students to ASL's basic structure and vocabulary while developing students' expressive skills and understanding of fingerspelling and basic conversational strategies. Provides an introduction to the Deaf community and culture. Equivalent to two years of high school ASL. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework
Prerequisites: ASL 100 or ASL 112 or equivalent.
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 6A)

ASL 110 AMERICAN SIGN LANGUAGE II
A continuation of ASL 100, designed to enhance proficiency in ASL usage. The course further develops conversational skills with an increased emphasis on visual receptive and expressive skills required for learning advanced vocabulary, grammar, non-manual behaviors, and fingerspelling. Creates awareness of Deaf culture through the study of the history of ASL, the cultural dynamics of the Deaf community, and the cultural customs of communication. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework
Prerequisites: ASL 100 or ASL 112 or equivalent.
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 6A)

ASL 111 AMERICAN SIGN LANGUAGE IA
A basic course in American Sign Language with focus on everyday communication. Topics center around personal information and the immediate environment, including introducing oneself, exchanging personal information and communicating about surroundings and home. Grammar is introduced in context, with an emphasis on developing question and answer skills. Students rehearse conversation strategies for getting attention, asking for clarification, and correcting information to minimize misunderstanding. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ASL 100 or ASL 112 or equivalent.
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 6A)
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

ASL 112 AMERICAN SIGN LANGUAGE IB
Continuation of ASL 111 with a more extensive focus on everyday communication, including talking about family, everyday activities and storytelling. Review and expansion of functions and grammar introduced in ASL 111. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ASL 111 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

ASL 121 ADVANCED ELEMENTARY AMERICAN SIGN LANGUAGE I
Three lecture hours plus one lab hour per week. Prerequisite: Completion of ASL 112, or equivalent curriculum with a grade of C or better. ASL 121 is the first course in an advanced elementary two-course sequence for hearing and non-hearing students. The course covers approximately the same material studied in the first half of ASL 120. Students will acquire a basic ability to sign and understand deaf culture at the advanced elementary level and will learn about the customs, culture and history of the deaf world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 16-18 TBA; 80-90 Homework
Prerequisites: ASL 112 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

ASL 122 ADVANCED ELEMENTARY AMERICAN SIGN LANGUAGE II
Three lecture hours plus one lab hour per week. Prerequisite: Completion of ASL 121, or equivalent curriculum with a grade of C or better. ASL 122 is the second course in an advanced elementary two-course sequence for hearing and non-hearing students. The course covers approximately the same material studied in the second half of ASL 120. Students will acquire a basic ability to sign and understand deaf culture at the advanced elementary level and will learn about the customs, culture and history of the deaf world more advanced than in ASL 121. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ASL 121 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 6A)

Anesthesia Technology
See also listings under Surgical Careers.

ANST 400 PROFESSIONAL ASPECTS OF ANESTHESIA TECHNOLOGY
Introduction to Anesthesiology’s contribution to quality patient care and the relationship of the Anesthesia Technologist to other health care professionals. Focus is on patient safety, universal precautions, and student safety in the health care environment. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Prerequisites: Admission to the Anesthesia Technology Program.

ANST 405 BASIC PRINCIPLES OF ANESTHESIA TECHNOLOGY
Introduction to the theory and concepts of functioning in a surgical environment including a fundamental understanding of a variety of anesthesia equipment and basic case set-up utilizing anesthesia supplies and equipment. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Anesthesia Technology Program.

ANST 410 BASIC ANESTHESIA EQUIPMENT
Introduction to the theories and concepts in the adequate function of anesthesia equipment to include: maintaining equipment, repairing defects and trouble-shooting complications. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework
Prerequisites: Admission to the Anesthesia Technology Program.
**ANST 415 ANESTHESIA PHARMACOLOGY**

Introduction to the theory and concepts in the proper use and safe practice of delivery and storage of anesthesia medications which includes: stocking of the drug cart and assisting the anesthesia care provider in the preparation of the medications. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** ANST 405 or equivalent.

**ANST 420 APPLICATION OF PRINCIPLES IN ANESTHESIA TECHNOLOGY**

Introduction to the theory and concepts of the use and function of anesthesia supplies and equipment used for various surgical procedures to include cases in: general, regional, and conscious sedation. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** ANST 405 or equivalent.

**ANST 425 ANESTHESIA TECHNOLOGY CLINICAL EXPERIENCE I**

Introduction to the theory and clinical practice of anesthesia to include: general, regional and conscious sedation techniques. Students will become familiarized with the surgical environment and practice skills and abilities in all basic areas related to role of the Anesthesia Technologist. *Pass/No Pass Only. Degree Credit.*

**Units:** 5  
**Hours/semester:** 320-320 Field Experience  
**Prerequisites:** ANST 410 or equivalent.

**ANST 430 ADVANCED ANESTHESIA EQUIPMENT**

Introduction to the theory and concepts of advanced anesthesia equipment used in surgical procedures. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework  
**Prerequisites:** ANST 420 or equivalent.

**ANST 435 ANESTHESIA TECHNOLOGY CLINICAL EXPERIENCE II**

Continued application of advanced theory and concepts of clinical practice skills to mastery. Students operate independently as an Anesthesia Technologist in all aspects of patient care including: preoperative, intraoperative, and postoperative surgical phases. *Pass/No Pass Only. Degree Credit.*

**Units:** 5  
**Hours/semester:** 320-320 Field Experience  
**Prerequisites:** ANST 430 or equivalent.

**ANST 440 ANESTHESIA TECHNOLOGY EXAMINATION AND REVIEW**

Preparation and review for the Certified Anesthesia Technologist examination required by the American Society for Anesthesia Technologists and Technicians. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** ANST 435 or equivalent.

**Anthropology**

**ANTH 110 CULTURAL ANTHROPOLOGY**

A comparative analysis of human cultures with emphases on core concepts such as kinship, religion, politics, technology, and an appreciation of our societal variability. When appropriate, comparison is made with present-day American society to show the effect of societal diversity, size, and complexity of cultural factors. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.

**AA/AS Degree Requirements:** Area 5b; Area 9D3  
**Transfer Credit:** CSU, UC (IGETC Area 4G)  
**C-ID:** ANTH 120

**ANTH 125 PHYSICAL ANTHROPOLOGY**

Biological consideration of the origin, development, and potential survival of humans and other primates. Topics include concepts of evolution: natural selection and populations, patterns of inheritance, the fossil record, and behavioral adaptations. The course will examine
how biological, physical, and cultural variations have allowed human populations to adapt to various physical environments. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.

**AA/AS Degree Requirements:** Area 9B2  
**Transfer Credit:** CSU (CSU GE Area B2), UC (IGETC Area 5B)  
**C-ID:** ANTH 110

### ANTH 127 PHYSICAL ANTHROPOLOGY LABORATORY

Laboratory designed to become familiar with the methods of the science of biological anthropology while investigating topics in laboratory and field situations. Topics covered in the course: the scientific method, biological variation and forces of evolution, human osteology and variation, comparative osteology of primates, and fossil evidence for human evolution. Field trips may be offered. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** Completion of, or concurrent enrollment in, ANTH 125 or equivalent.  
**Transfer Credit:** CSU (CSU GE Area B3), UC (IGETC Area 5C)  
**C-ID:** ANTH 115L

### ANTH 150 INTRODUCTION TO ARCHAEOLOGY: BONES, BEADS AND THE BASICS OF MATERIAL CULTURE

Explores cultural diversity using theories and methods of anthropological archaeology. This course typically includes discussions of the development of archaeological research, excavation methods, data analysis, and selected cultural sequences. Instructor may require field trips. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 5b; Area 9D1  
**Transfer Credit:** CSU (CSU GE Area D), UC (IGETC Area 4G)  
**C-ID:** ANTH 150

### ANTH 155 HUMAN PREHISTORY AND THE RISE OF CIVILIZATION

An anthropological survey of human and hominid prehistory spanning over two million years. Emphasis is on the origin and cultural evolution of the world’s first settled communities and early civilizations, including Mesopotamia, Egypt, India, China, Europe, Central America, and South America. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 5b; Area 9D1  
**Transfer Credit:** CSU (CSU GE Area D), UC (IGETC Area 4G)

### ANTH 165 SEX AND GENDER: CROSS-CULTURAL PERSPECTIVES

A survey of cross-cultural and historical factors influencing human sexuality, gender roles and identity. The course emphasizes non-Western culture such as Asian, African, and the Indigenous Americas. Diverse cultural forces affecting both female and male status, such as economics, religion, and sexual practices, will be examined. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 5b; Area 9D1  
**Transfer Credit:** CSU (CSU GE Area D), UC (IGETC Area 4G)

### ANTH 170 ANTHROPOLOGY OF DEATH

Examination of cross-cultural perspectives on beliefs and practices around death and dying. Selected topics may include funerary practices, cannibalism, bereavement and concepts of the afterlife. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 5b; Area 9D1  
**Transfer Credit:** CSU (CSU GE Area D), UC (IGETC Area 4G)
ANTH 180 MAGIC, WITCHCRAFT AND RELIGION
Cross-cultural exploration of the supernatural belief systems, focusing on non-literate, tribal and ethnic cultures; history and methods of the anthropological approach to religion; the dynamics of myth, magic, totem, taboo, cults, and sects. 

Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 5b; Area 9C1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4G)

ANTH 360 NATIVE PEOPLES OF NORTH AMERICA
An introduction to the life ways of representative Native North American culture groups found in different geographical areas of North America. The course will examine settlement patterns and environmental adaptations, social organizations, worldview, and the arts chronologically and cross culturally, with emphasis on the impact of contact with European cultures. Field trips may be arranged to investigate archaeological evidence. 

Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 5b; Area 9C1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4G)

Arabic

ARBC 111 ELEMENTARY ARABIC I
The first of a two-course-sequence in basic elementary Arabic, equivalent to one year of High School foreign language. Conversation in the language, dictation, reading and study of the fundamentals of grammar; simple oral and written exercises; an introduction to Arabic culture in fragments of literary texts. 

Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework

Prerequisites: ARBC 111 or equivalent.

AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

ARBC 112 ELEMENTARY ARABIC II
Second course of a two-semester sequence in basic elementary Arabic. Conversation in the language, dictation, reading and study of the fundamentals of grammar, simple oral and written exercises related to culture, and an introduction to Arabic culture. Equivalent to the second year of High School foreign language. 

Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ARBC 111 or equivalent.

AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

Art

Art majors should consult the program outlined in “Degree Programs” for a suggested plan of study.

Art activity courses are subject to repeatability limitations. Students are now limited to a maximum of four courses per family. A family of courses may contain more than four courses. If there are more than four courses in a particular family, a student may only enroll in a maximum of four total courses within that family. A course previously taken by a student (prior to the legislation) within the identified family will count as a repeat and limit future enrollments of courses within that family to a maximum of four.

Art activity courses are offered in levels by progression. Courses are listed by title; for example, Black and White Photography, Ceramics, etc, and then by level. Level I is beginning; Level II is intermediate; and Level III is intermediate/advanced.

New students are advised to enroll in the beginning level and be placed by their instructor upon assessment. Continuing students who have previously taken a course within a family, must progress to the next level.

ART 101 HISTORY OF WESTERN ART I
Comprehensive survey of the history of arts (architecture, painting, sculpture and other media) in the Western traditions and the understanding of art as reflections of the cultures from which the art emerged. Survey of the arts from the historic periods of the Prehistoric to the late 1300’s. 

Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area C1), UC (IGETC Area 3A)
C-ID: ARTH 110

ART 102 HISTORY OF WESTERN ART II
Comprehensive survey of the history of arts (architecture, painting, sculpture and other media) in the Western traditions and the understanding of art as reflections of the cultures from which the art emerged. Survey of the arts from the historic periods of the Renaissance to contemporary times. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area C1), UC (IGETC Area 3A)
C-ID: ARTH 120

ART 105 ART OF ASIA & THE NEAR EAST
Survey of Asian and Near Eastern Art, especially India, China and Japan, and Persia. Investigation of the cultural sources of art work as well as their aesthetic qualities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area C1), UC (IGETC Area 3A)
C-ID: ARTH 117

ART 107 ART OF OUR TIMES
An introduction to the American visual experience of today including painting, sculpture, architecture, industrial, interior, package, advertising, furniture, design, etc. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area C1)

ART 115 ART, MUSIC AND IDEAS
A multi-faceted examination and analysis of art and music as reflections of cultural ideas and traditions. The student will develop an informed appreciation of the visual arts, performance arts and musical works. Also listed as MUS. 115. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area C1), UC (IGETC Area 3A)

ART 117 ARTS OF AFRICA AND THE AFRICAN DIASPORA
Introductory survey of the arts in Africa and the cultures of the African diaspora. Analysis of the history, diaspora and cultural contexts of the Art from prehistoric to contemporary times. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

ART 120 ART OF THE AMERICAS
An examination of the diverse indigenous arts and cultures of the Americas, the impact of colonialism and the development of ethnic arts in the 19th and 20th centuries in the Americas. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C1
Transfer Credit: CSU (CSU GE Area C1), UC (IGETC Area 3A)

ART 130 ART APPRECIATION
A brief survey of the concepts and traditions of art through history and diverse cultures. Historical events, customs, traditions, and technology are evaluated as integrated and interactive elements which influence the creation of art. Through recognition of the communicative abilities
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of art, the functions and values of art to cultures and the individual are explored. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area C1), UC (IGETC Area 3A)

ART 171 VISUAL THEORY AND PRACTICE: B/W PHOTOGRAPHY

Introduction to the history, culture and technologies of the art of film-based photography. Integrating social and art histories with the theories of visual literacy, students will engage in analysis and critique of photographs. Through practices of contemporary b/w film photography, students will create images which simulate or recontextualize historic examples of photographic art. The images will demonstrate the communicative abilities of photographic images to present personal perceptions, cultural values and understandings of their world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

ART 175 VISUAL THEORY AND PRACTICE: CERAMIC ART

An introduction to a broad spectrum of ceramic art from diverse cultures, with a focus on visual theory, aesthetics, criticism, and historical context. Students will develop critical thinking skills through the analysis of cultural and technological constructs which influenced the creation of specific genres. In addition, students will produce original works of ceramic art by reinterpreting the traditions they study in a contemporary context, with an emphasis on creative problem solving skills. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU (CSU GE Area C1), UC (IGETC Area 3A)

ART 204 DRAWING I

Introduction to principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Prerequisites: ART 204 or equivalent.
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU, UC
C-ID: ARTS 110

ART 205 DRAWING II

Exploration of artistic concepts, styles, and creative expression related to intermediate-level drawing, focusing on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students will build on fundamental drawing skills to develop personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Prerequisites: ART 204 or equivalent.
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU, UC
C-ID: ARTS 205

ART 207 LIFE DRAWING

The study of the human form as art using the techniques and materials of drawing in several media. Application of fundamental studies of anatomy in the pursuits of expressive representations of the human figure. Studio practice drawing from live models. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Recommended: ART 204
Transfer Credit: CSU, UC
**C-ID: ARTS 200**

**ART 214 COLOR**
A study of the principles, theories, and applications of color in two-dimensional art practice. Topics include major historical and contemporary color systems, production of art projects using the elements of design as they apply to color. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.

**Transfer Credit:** CSU, UC

**C-ID: ARTS 270**

**ART 217 INTERMEDIATE LIFE DRAWING**
Continued study of the human form as art using the techniques and materials of drawing and painting in pastels, acrylics, oil and watercolor paints. Application of more advanced studies of anatomy and chromatic expressions through different skin palettes. Use of expressive representations of the human figure in different environments. Expression of complex narrative contexts in the human figure. Studio practice drawing and painting from live models. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Prerequisites:** ART 207 or equivalent.

**Transfer Credit:** CSU, UC

**ART 221 PAINTING I**
Introduction to principles, elements, and practices of painting. Exploration of painting materials, perceptual skills, and paint mixing technique, as well as creative responses to materials and subject matter. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of one or more college level studio art courses.

**Transfer Credit:** CSU, UC

**ART 222 PAINTING II**
An intermediate level course in techniques, materials and theories of painting using oil or acrylic paints. Students will develop strategies for image development and visual cohesiveness, with topics including composition design, color principles, and concept ideation. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Prerequisites:** ART 221 or equivalent.

**Transfer Credit:** CSU, UC

**ART 231 WATERCOLOR I**
Introduction to transparent and opaque Watercolor. Varied approaches and techniques. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. Satisfactory completion of one or more college level studio art courses.

**Transfer Credit:** CSU, UC

**ART 232 WATERCOLOR II**
Additional exploration of watercolor painting as a vehicle for creative art expression. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Prerequisites:** ART 231 or equivalent.

**Transfer Credit:** CSU, UC

**ART 234 PRINTMAKING I**
Basic introduction to printmaking using techniques and materials to create limited edition prints in a variety of media. May include: Monotype, Drypoint, Collagraph, Lithography, Intaglio and Linocut. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.
ART 239 PRINTMAKING II: MONOTYPE, MONOPRINT AND MIXED MEDIA
Advanced practice in monotype, monoprint, and mixed media print processes. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Prerequisites: ART 234 or equivalent.
Transfer Credit: CSU, UC

ART 301 TWO-DIMENSIONAL DESIGN
Introduction to the concepts, applications, and historical references related to two-dimensional art and composition, including the study of the basic principles and elements of line, shape, texture, value, color and spatial illusion. Development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and written assignments. Exploration of drawing and painting materials and techniques to explore two-dimensional design concepts. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Transfer Credit: CSU, UC
C-ID: ARTS 100

ART 350 VISUAL PERCEPTION THROUGH PHOTOGRAPHY
The evaluation of photographs as a means to share observations and critiques of oneself, culture and history. Students will make their own images to further explore the relationships of images and perceptions; to examine how photographs impact our understanding of our world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area C1), UC (IGETC Area 3A)

ART 351 BLACK AND WHITE PHOTOGRAPHY I
An introduction to film-based 35mm black and white photography. Students will gain skills to view and produce photographs as an alternative means of sharing personal observations and perceptions. To develop personally meaningful images, the knowledge and application of the photographic equipment, materials and techniques are emphasized. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU, UC

ART 352 BLACK AND WHITE PHOTOGRAPHY II
An intermediate course expanding upon concepts and techniques developed in ART 351. Students will enhance skills to produce photographs to better share personal observations and perceptions. Critical considerations of style, content and presentation will be fundamental components of students’ projects. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Prerequisites: ART 351 or equivalent.
Transfer Credit: CSU, UC

ART 353 BLACK AND WHITE PHOTOGRAPHY III
An advanced course expanding upon concepts and techniques developed in ART 351 and ART 352. Major emphasis of course is the critical considerations of the application of skills to produce photographs that share personal perspectives based upon observations and perceptions. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Prerequisites: ART 352 or equivalent.
Transfer Credit: CSU, UC

ART 354 DIGITAL PHOTOGRAPHY I
Introduction to the use of digital color photography as an alternative means of sharing personal observations and perceptions. In addition to the knowledge and application
of the photographic equipment, materials and techniques; students are introduced to the concepts and principles of using images as a means of communication and expression. 

Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework

**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.

**Transfer Credit:** CSU, UC

**ART 355 DIGITAL PHOTOGRAPHY II**

A continuation of ART 354. The introduction of advanced and specialized techniques in camera use and manipulations in PhotoShop to expand upon the understanding and use of images as a means of sharing personal perspectives and expressions. An important emphasis of this course is the production of artworks that reflect upon personal observations, perceptions and considerations of one's world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework

**Prerequisites:** ART 354 or equivalent.

**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.

**Transfer Credit:** CSU, UC

**ART 401 THREE-DIMENSIONAL DESIGN**

Introduction to fundamental concepts and the historical references of organizing forms in three dimensions. Studio application involving various materials to explore 3-D concepts. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Prerequisites:** ART 405 or demonstration of equivalent skill.

**Transfer Credit:** CSU, UC

**C-ID:** ARTS 101

**ART 405 SCULPTURE I**

An introduction to the sculpture processes. Studio practice using a variety of materials. e.g. wood, metal, plaster, clay, stone, and mixed media assemblage to make three-dimensional works of art. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU, UC

**ART 406 SCULPTURE II**

Advanced study and practice in three dimensional form; a continuation of Art 405 in developing mastery of the media of sculpture, e.g. wood, metal, plaster, clay, stone, and mixed media assemblage. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework

**Prerequisites:** ART 405 or demonstration of equivalent skill.

**Transfer Credit:** CSU, UC

**ART 407 SCULPTURE III: DIRECT METAL**

Creation of sculptural form in metal using welding, brazing, and soldering techniques for fabrication of line, plane, found-object and mixed media composition. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework

**Prerequisites:** ART 405 or demonstration of equivalent skill.

**Transfer Credit:** CSU

**ART 411 CERAMICS I**

Basic introduction to ceramics and the creative process. Students will learn ceramic hand-building, glazing, and firing methods as a means of self-expression and communication. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Transfer Credit:** CSU, UC
ART 412 CERAMICS II
Additional study of ceramic processes and their application in art. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Prerequisites: ART 411 or equivalent.
Transfer Credit: CSU, UC

ART 417 CERAMIC GLAZING TECHNIQUES
Advanced glazing techniques including special glazes, glaze composition and multi-firing techniques. Projects with emphasis on glaze effects. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Prerequisites: ART 412 or equivalent.
Transfer Credit: CSU, UC

ART 418 CERAMICS III
Advanced study of ceramics with a focus on either sculptural or functional artworks in clay. A series of focused ceramics pieces will culminate in the creation of a portfolio. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Prerequisites: ART 412 or equivalent.
Transfer Credit: CSU, UC

ART 430 INTRODUCTION TO DIGITAL ART
Explores creative uses of digital technologies, and introduces digital art from historical and contemporary perspectives. Learn a range of skills and software used in the creation and editing of digital artworks for print, web, and multimedia. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent. ART 430 or equivalent.
Transfer Credit: CSU, UC
C-ID: ARTS 250

ART 431 DIGITAL IMAGING I: PHOTOSHOP
This course focuses on the creation and editing of digital images for use in art and design with Adobe Photoshop. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent. ART 430 or equivalent.
Transfer Credit: CSU, UC

ART 432 DIGITAL IMAGING II: ADVANCED PHOTOSHOP
This project-based course will expand on the tools and techniques necessary to further explore the image making process using raster based software such as Adobe Photoshop. Students develop strategies for content development, visual cohesiveness, and graphic production techniques. Topics include design, layout, typography, color principles, and project preparation for print, web, and animation. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Prerequisites: ART 431 or equivalent.
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

ART 435 DIGITAL ILLUSTRATION
Learn skills for creating digital illustrations, designs, and artworks through creative projects using Adobe Illustrator. This course will utilize the industry standard vector-based illustration software to create vector graphics for use in art, design, digital publishing, and the web. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. ART 430 or equivalent.
Transfer Credit: CSU, UC

ART 440 INTRODUCTION TO WEB DESIGN
An introduction to creating web sites and web graphics using popular industry-standard authoring tools and design
software. The course introduces the basics of layout for visual communication by integrating design concepts with technical execution in a web environment. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU, UC

**ART 441 INTERMEDIATE WEB DESIGN**

Exploration of intermediate design processes for the web with an emphasis on visual design and web technologies. Various industry standard software applications and web technologies are employed to create original graphics, control layout and type, process images, and publish professional websites. Topics may include in-depth discussions on the design strategies used for combining text, images, animation, video, audio, and third party API's to create compelling visual experiences for web users. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework

**Prerequisites:** ART 440 or equivalent.

**Transfer Credit:** CSU

**ART 479 TYPOGRAPHY**

Explores the history and perceptual development of letterforms and the application of typography in art and design. Language and technology will be reviewed. Creative Projects will demonstrate theoretical concepts and their application. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework

**Recommended:** ART 440 or equivalent.

**Transfer Credit:** CSU, UC

**ART 665 SPECIAL TOPICS IN ART**

Lecture-based sections (1 or 2 or 3 units): Hours/semester: 16-18, 32-36 or 48-54 lecture/additional hours by arrangement where indicated. Studio-activity sections (.5 or 1 or 2 or 3 units): Hours/semester: 24-27, 48-54, 96-108 or 144-162 lab/additional studio hours and/or hours by arrangement. Specialized courses in Art designed for the focused investigation of a particular issue or topic. The courses are designed to address either artistic theoretical or rhetorical issues, or to acquire technical or craftsmanship skills of particular materials and processes associated with a specific studio art. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 3

**Hours/semester:** 16-54 Lecture; 24-162 Lab; 32-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400 or equivalent for lecture-based sections., Successful completion of a beginning art studio course or equivalent for studio-activity sections.

**Transfer Credit:** CSU
Astronomy

ASTR 100 INTRODUCTION TO ASTRONOMY
Survey of modern astronomy including the study of what mankind understands about the universe and our place in it. Emphasis on how mankind has learned about the planets, stars, galaxies and their structure and formation. Quasars, pulsars, black holes and the beginning and the end of the universe are discussed. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Completion of MATH 110, or MATH 111 and MATH 112, with a grade of C or better, or equivalent.
AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B1), UC (IGETC Area 5A)

ASTR 101 ASTRONOMY LABORATORY
Constellation identification, understanding of right ascension and declination, and basic astronomical measurements of our moon, planets, stars, and universe. Telescopic and naked eye observations will be assigned. This course will develop the student's awareness of the scientific method and how to apply it to specific problems and their solutions. Letter Grade Only.

Units: 1
Hours/semester: 48-54 Lab
Prerequisites: Completion of, or concurrent enrollment in, ASTR 100 or equivalent.
AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B3), UC (IGETC Area 5C)

Automotive Technology

AUTO 509.1 AUTOMOTIVE FUNDAMENTALS FOR HIGH SCHOOL I
Part one of a two-part survey designed for dual enrollment high school students who wish to explore automotive technology as a career path, while earning college degree and certificate course credit. When both parts are successfully completed, students will fulfill part of the Automotive program admission requirements and be eligible for the automotive career track certificate. Letter Grade Only. Degree Credit.

Units: 2.5
Hours/semester: 16-18 Lecture; 72-81 Lab; 32-36 Homework
Prerequisites: AUTO 509.1

AUTO 509.2 AUTOMOTIVE FUNDAMENTALS FOR HIGH SCHOOL II
Part two of a two-part survey designed for dual enrollment high school students who wish to explore automotive technology as a career path, while earning college degree and certificate course credit. When both parts are successfully completed, students will fulfill part of the Automotive program admission requirements and be eligible for the automotive career track certificate. Letter Grade Only. Degree Credit.

Units: 2.5
Hours/semester: 16-18 Lecture; 72-81 Lab; 32-36 Homework
Prerequisites: AUTO 509.1

AUTO 510 BASIC HYBRID POWERTRAINS
A survey of today’s hybrid vehicle powertrains. Hands-on experience performing scheduled hybrid maintenance services. Introduction to hybrid vehicle diagnosis and repair. Development of entry-level skills needed to work on hybrid vehicles in a professional environment. Letter Grade Only. Degree Credit.

Units: 4
Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework
Recommended: AUTO 713 or AUTO 523 or equivalent automotive electrical systems industry experience; and, AUTO 751 or AUTO 749 or equivalent automotive engine performance industry experience.
Transfer Credit: CSU

AUTO 511 PRINCIPLES OF HYBRID AND ELECTRIC DRIVES
A comprehensive survey of today’s hybrid vehicle powertrains. Lectures on subjects such as battery packs, power electronics, and electric motor theory are supported by labs covering intermediate and advanced diagnosis of hybrids and/or electric drives. This course is a core requirement of the Hybrid and Electric Drives certificate program. Letter Grade Only. Degree Credit.

Units: 7
Hours/semester: 104-117 Lecture; 24-27 Lab; 208-234 Homework

Prerequisites: AUTO 713 or AUTO 773 and AUTO 751 or equivalent industry experience.

Transfer Credit: CSU

AUTO 520 AUTOMOTIVE BRAKING SYSTEMS
A study of automotive braking systems. Emphasis will be placed on the theory of operation, diagnosis, and repair of current automotive braking systems and their related components. Preparation for the ASE Certification and California State Brake Inspector licensing. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Recommended: AUTO 710 or AUTO 711 or Automotive fundamentals from another educational institution that provides braking and electrical fundamentals as part of the curriculum, or Automotive repair work experience.

Transfer Credit: CSU

AUTO 521 MANUAL TRANSMISSIONS, CLUTCHES AND DIFFERENTIALS
A study of manual transmissions/transaxles, clutches and differential operational principles, diagnosis, repair and overhaul. Emphasis will be placed on diagnosis and repair. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Recommended: AUTO 710 or AUTO 711 or equivalent.

Transfer Credit: CSU

AUTO 522 AUTOMOTIVE STEERING, SUSPENSION AND ALIGNMENT SYSTEMS
Study of automotive tires, wheels, shocks, springs, steering gears and wheel alignment. Everything related to the automotive suspension and steering systems including wheel alignment and tire service with a focus on diagnosis, service and repairs. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Transfer Credit: CSU

AUTO 523 AUTOMOTIVE ELECTRICAL AND ELECTRONIC SYSTEMS
An in-depth study of entry and advanced level automotive electrical and solid state electronics. Students will quickly move from theory to practical hands-on exercises that will enhance diagnostic skills and test equipment usage. Proper troubleshooting and analysis of wiring diagrams, multimeters, test light and digital storage scope are stressed. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Transfer Credit: CSU

AUTO 524 SMOG CHECK INSPECTOR TRAINING LEVEL I
Provides students with fundamental knowledge of engine and emission control theory, design, and operation. Students who successfully complete this training course will have met the first of two requirements for the Smog Check Inspector license. This course is not required for students who hold ASE or BAR A6, A8, and L1 certifications. Letter Grade Only. Degree Credit.

Units: 3.5

Hours/semester: 48-54 Lecture; 24-27 Lab; 96-108 Homework

Transfer Credit: CSU

AUTO 525 SMOG CHECK INSPECTOR TRAINING LEVEL II
Provides students with the knowledge, skills, and abilities needed to perform Smog Check inspections. Students who successfully complete this training will have met step two of the Bureau of Automotive Repair’s training requirements to qualify to take the Smog Check Inspector state licensing examination if they have met the recommended course preparations. Letter Grade Only. Degree Credit.

Units: 1.5

Hours/semester: 16-18 Lecture; 24-27 Lab; 32-36 Homework

Recommended: BAR Specified Criteria: Current ASE A6, A8 and L1 certificates; or, BAR Specified Criteria: Associate Degree/Certificate in Automotive Technology and one year of experience; or BAR Specified Criteria: Two years’ experience and successful completion of the BAR Diagnostic Training Course; or, AUTO 524 or AUTO 824 or equivalent.

Transfer Credit: CSU
AUTO 526 AUTOMATIC TRANSMISSION PRINCIPLES, REPAIR AND DIAGNOSIS

Automatic Transmissions/Transaxles operational theory, hydraulics, gears, electrical & computer controls are demystified. Troubleshooting, diagnosis and repair methods and techniques are reinforced with hands-on exercises. Letter Grade Only. Degree Credit.

Units: 4.5
Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework
Recommended: AUTO 710 or AUTO 711 and AUTO 523 or equivalent.
Transfer Credit: CSU

AUTO 529 MODERN ENGINE DESIGN, TROUBLESHOOTING AND REPAIR

The study of internal combustion engine and 21st century engine designs. Troubleshooting, precision measurement and repair of blocks, pistons, cranks, cylinder heads, valves and valve train systems. Letter Grade Only. Degree Credit.

Units: 4.5
Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework
Recommended: AUTO 710 or AUTO 711 with a minimum grade of C; or, 4 months (approximately 90 days) of high school or ROP Automotive fundamentals training that includes a section on the internal combustion engine; or, 3 months of automotive work experience working on vehicles in an automotive repair facility.
Transfer Credit: CSU

AUTO 530 ENGINE DESIGN WITH CYLINDER HEAD DIAGNOSIS AND REPAIR

The theory and design of internal combustion engines. Topics include the design and selection of intake and exhaust manifolds, camshaft, and cylinder head. Emphasis is placed on diagnosis, repairs and any modifications for efficiency. Letter Grade Only. Degree Credit.

Units: 4.5
Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework
Recommended: AUTO 529 or AUTO 929

AUTO 531 ENGINE DESIGN WITH BLOCK DIAGNOSIS AND REPAIR

A study of the proper methods of disassembling, measuring, machining, and reassembling engine blocks. Various machining equipment, safe working habits, and the handling of waste coolant, oil and filters is included. Modern engine design includes overhead cam and pushrod designs. The study of pistons, rings, crankshaft, connecting rods, bearings, lubrication systems and block design. Letter Grade Only. Degree Credit.

Units: 4.5
Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework
Recommended: AUTO 529 or AUTO 929
Transfer Credit: CSU

AUTO 546 BODY CONTROL SYSTEMS

Advanced body controls, electrical, electronics, scan tools, hybrid technology theory, heating, cooling, air conditioning, ventilation systems and controls. System operation, analysis and diagnosis of these systems are stressed. Letter Grade Only. Degree Credit.

Units: 15
Hours/semester: 184-207 Lecture; 168-189 Lab; 368-414 Homework
Prerequisites: Admission to the Automotive Technology Program through special application.
Transfer Credit: CSU

AUTO 665 SELECTED TOPICS IN AUTOMOTIVE

Short courses designed to develop specific skills that are used in the automotive industry. Will focus on specific automotive topics such as: Smog Check licensing requirements, fuel injection, Automated Driver Assist Systems, etc. Pass/No Pass Only. Degree Credit.

Units: 0.5 - 2
Hours/semester: 8-27 Lecture; 24-27 Lab; 16-54 Homework
Recommended: There may be recommended preparation based on the specific topic.
Transfer Credit: CSU

AUTO 670 VOCATIONAL COOPERATIVE EDUCATION IN AUTOMOTIVE

Students may receive credit for work experience related to their major field or to their established career goal. Seminars and individual conferences are scheduled at convenient times during the semester for the instructor and the student to establish learning objectives related to the student's employment. Students are given appropriate assignments related to the stated objectives and graded in accordance with the college's established grading system. As an alternative, related instruction classes meeting one hour per week, usually in the evening, are available for
those students who prefer or need a more structured learning process. One unit of credit for each 75 hours worked per semester, with a maximum of four units per semester, may be earned by students with jobs related to their academic or occupational majors or goals. May be repeated for credit up to 16 units. This limitation applies to Occupational Cooperative Education work experience courses offered within the SMCCCD. **Pass/No Pass Only. Degree Credit.**

**Units:** 1  
**Hours/semester:** 75 Work Experience  
**Prerequisites:** Permission of the Cooperative Education Office, concurrent enrollment in a planned vocational program, and employment in a college-approved job directly related to the student's academic major.

### AUTO 695 INDEPENDENT STUDY IN AUTOMOTIVE TECHNOLOGY

Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 0.5 - 3  
**Hours/semester:** 24-162 Lab  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

### AUTO 708 AUTOMOTIVE PRINCIPLES LAB

A general elective for those desiring a basic knowledge of the automobile. Students perform minor maintenance procedures for own vehicle. **Letter Grade Only. Degree Credit.**

**Units:** 2  
**Hours/semester:** 24-27 Lecture; 24-27 Lab; 48-54 Homework

### AUTO 710 FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY

An introduction to the Automotive Technology program and profession. A study of the basic tools, fasteners and automotive electrical and mechanical systems required in automotive maintenance, service and repair. Designed for anyone who is interested or exploring Automotive Technology for personal growth or a career path. Recommended for those students desiring entrance into the Automotive Technology daytime career track program. **Letter Grade Only. Degree Credit.**

**Units:** 4  
**Hours/semester:** 48-54 Lecture; 48-54 Lab; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

### AUTO 711 AUTOMOTIVE ENTRY LEVEL TECHNICIAN FUNDAMENTALS

Designed to teach basic automotive skills, including performing oil changes, safety inspections, fluid flushing procedures, tire inspection and repair, and preparing work orders and recommendations. **Letter Grade Only. Degree Credit.**

**Units:** 5  
**Hours/semester:** 56-63 Lecture; 72-81 Lab; 112-126 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

### AUTO 713 AUTOMOTIVE ELECTRICITY AND ELECTRONICS

The study of electrical fundamentals, electrical test equipment, automotive batteries, starting and charging systems, wiring diagrams, lighting circuits, various advanced body electrical circuits and controls. Primary emphasis is on diagnosis, testing, and repair. **Letter Grade Only. Degree Credit.**

**Units:** 15  
**Hours/semester:** 184-207 Lecture; 168-189 Lab; 368-414 Homework  
**Prerequisites:** Admission to the Automotive Technology Program through special application.  
**Transfer Credit:** CSU

### AUTO 721 AUTOMOTIVE STEERING, SUSPENSION AND BRAKES

A study of automotive steering, suspension, and brakes. Emphasis will be placed on the theory, operation, diagnosis, and repair of modern braking systems & steering and suspension systems. Topics include: four-wheel steering, tires and wheels, electronic stability control, regenerative braking, power steering (hydraulic & electronic), power brakes and anti-lock braking systems. **Letter Grade Only. Degree Credit.**
AUTO 734 AUTOMOTIVE ENGINE DIAGNOSIS AND REPAIR
A detailed study of various modern engine designs and materials. Lab will include diagnosis, inspection, repair methods, and parts necessary for complete repair. Also, various machines and machining operations will be covered. Letter Grade Only. Degree Credit.

Units: 15
Hours/semester: 184-207 Lecture; 168-189 Lab; 368-414 Homework
Prerequisites: Admission to the Automotive Technology Program through special application.
Transfer Credit: CSU

AUTO 735 AUTOMOTIVE TRANSMISSION AND DRIVETRAINS DIAGNOSIS AND REPAIR
A detailed study of all manual and automatic drivetrain systems. Clutch systems, transmission/transaxle systems, differentials, driveshafts and axles. Hydraulic, electrical, electronic and computer controlled drivetrain systems. Overhaul, diagnosis and repair of all mechanical and electronic drivetrain systems. Letter Grade Only. Degree Credit.

Units: 15
Hours/semester: 184-207 Lecture; 168-189 Lab; 368-414 Homework
Prerequisites: Admission to the Automotive Technology program through special application;
Transfer Credit: CSU

AUTO 739 OBD II EVAPORATIVE EMISSION SYSTEMS
In-depth study of evaporative emissions systems used on OBD II vehicles. Topics include the operation, diagnosis, and repair of vacuum decay, leak detection pumps, natural vacuum leak detection, and on-board refueling vapor recovery systems. Letter Grade Only. Degree Credit.

Units: 1
Hours/semester: 8-9 Lecture; 24-27 Lab; 16-18 Homework

AUTO 745 ASIAN BRAKES AND CHASSIS
A study of Asian automotive technologies in steering, suspension, and braking systems. Emphasis will be placed on Asian theory, operation, diagnosis, and repair of braking systems & steering and suspension systems. Topics include: Asian four-wheel steering, tires and wheels, electronic stability controls, power steering, power and anti-lock braking systems. Letter Grade Only. Degree Credit.

Units: 15
Hours/semester: 184-207 Lecture; 168-189 Lab; 368-414 Homework
Prerequisites: Admission to the Automotive Technology Program.
Transfer Credit: CSU

AUTO 749 ASIAN ENGINE PERFORMANCE
The study and operational theory of Asian design technology in ignition systems, fuel systems, induction systems, emission control, computer control, and driveability diagnostics. Engine performance is the integration of all these systems. Systematic analytical diagnosis and repair skills of this integration is a major focus of this class. Letter Grade Only. Degree Credit.

Units: 15
Hours/semester: 184-207 Lecture; 168-189 Lab; 368-414 Homework
Prerequisites: Admission to the Automotive Technology program through special application.
Transfer Credit: CSU

AUTO 751 AUTOMOTIVE ENGINE PERFORMANCE
A study of the engine sub-systems responsible for good engine performance, clean air, and fuel economy. Systems to be covered include ignition, fuel, emission, OBD II, and computer controls. Letter Grade Only. Degree Credit.

Units: 15
Hours/semester: 184-207 Lecture; 168-189 Lab; 368-414 Homework
Prerequisites: Admission to the Automotive Technology program through special application; and, AUTO 713 or AUTO 523 with a minimum grade of C; and, AUTO 734 or AUTO 529 with a minimum grade of C, or equivalent.
Transfer Credit: CSU

AUTO 752 ADVANCED ENGINE PERFORMANCE
An in-depth study of domestic and import computerized engine controls. Emphasis will be placed on the theory, operation, and testing procedures necessary to accurately
diagnose and repair driveability complaints. Students will receive instruction necessary to take the State of California test for obtaining a Qualified Test and Repair Mechanic's License (Smog). *Letter Grade Only. Degree Credit.*

**Units:** 15

**Hours/semester:** 184-207 Lecture; 168-189 Lab; 368-414 Homework

**Prerequisites:** Admission to the Automotive Technology Program through special application; and, AUTO 751 or AUTO 749 with a minimum grade of C; or, four years of engine performance work experience verifiable through letters from employers.

**Transfer Credit:** CSU

### AUTO 758 AUTOMOTIVE COMPUTER CONTROLS

A study of the various inputs, outputs, and models of operation common to most computer controlled systems. General diagnosis will be emphasized using multimeters, lab scopes, and scan tools. Students will be introduced to OBD II systems. This course will also assist technicians preparing for the State of California Smog License and the ASE L1 exams. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 40-45 Lecture; 24-27 Lab; 80-90 Homework

**Recommended:** AUTO 523 or equivalent automotive electrical or computer controls work experience, or similar automotive electrical training.

**Transfer Credit:** CSU

### AUTO 765 IGNITION SYSTEMS I

A study of modern day and early design automotive electronic ignition systems. Emphasis is placed on the theory, operation, and testing of electronic and distributor-less ignition systems. *Letter Grade Only. Degree Credit.*

**Units:** 0.5

**Hours/semester:** 24-27 Lab

### AUTO 768 ON-BOARD DIAGNOSTICS II (OBDII)

In-depth study of generic On-Board Diagnostics II. Content includes history of OBD-II, comparison of OBD-I and OBD-II, J1930 Common Terminology, Flash Programming, Enhanced Monitors, Fuel Trim Strategies and MIL Strategies and Enabling Criteria, Drive Cycles, I/M Readiness flags, and Diagnostic Trouble Codes. This course meets the BAR Training requirement for obtaining initial or renewal license. It will also assist Technicians preparing for the State of California Smog License and ASE L1 exams. *Letter Grade Only. Degree Credit.*

**Units:** 2

**Hours/semester:** 24-27 Lecture; 24-27 Lab; 48-54 Homework

**Recommended:** AUTO 529 or experience working on automotive engines, or the completion of a similar course on automotive engines.

**Transfer Credit:** CSU

### AUTO 824 SMOG CHECK INSPECTOR TRAINING LEVEL I (APPRENTICESHIP)

Provides students with fundamental knowledge of engine and emission control theory, design, and operation. Students who successfully complete this training course will have met the first of two requirements for the Smog Check Inspector license. This course is not required for students who hold ASE or BAR A6, A8, and L1 certifications. *Letter Grade Only. Degree Credit.*

**Units:** 3.5
COURSE DESCRIPTIONS

Hours/semester: 48-54 Lecture; 24-27 Lab; 96-108 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

AUTO 825 SMOG CHECK INSPECTOR TRAINING LEVEL II (APPRENTICESHIP)

Provides students with the knowledge, skills, and abilities needed to perform Smog Check inspections. Students who successfully complete this training will have met step two of the Bureau of Automotive Repair’s training requirements to qualify to take the Smog Check Inspector state licensing examination if they have met the recommended course preparations. Letter Grade Only. Degree Credit.

Units: 1.5

Hours/semester: 16-18 Lecture; 24-27 Lab; 32-36 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: BAR Specified Criteria: Current ASE A6, A8 and L1 certificates; or, BAR Specified Criteria: Associate Degree/Certificate in Automotive Technology and one year of experience; or, BAR Specified Criteria: Two years’ experience and successful completion of the BAR Diagnostic Training Course; or, AUTO 524 or AUTO 824 with a minimum grade of C, or equivalent.

AUTO 839 OBD II EVAPORATIVE EMISSION SYSTEMS (APPRENTICESHIP)

In-depth study of evaporative emissions systems used on OBD II vehicles. Topics include the operation, diagnosis, and repair of vacuum decay, leak detection pumps, natural vacuum leak detection, and on-board refueling vapor recovery systems. Letter Grade Only. Degree Credit.

Units: 1

Hours/semester: 8-9 Lecture; 24-27 Lab; 16-18 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

AUTO 858 AUTOMOTIVE COMPUTER CONTROLS (APPRENTICESHIP)

A study of the various inputs, outputs, and models of operation common to most computer controlled systems. General diagnosis will be emphasized using multimeters, lab scopes, and scan tools. Students will be introduced to OBD II systems. This course will also assist technicians preparing for the State of California Smog License and the ASE L1 exams. This course is for indentured apprentice technicians. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 40-45 Lecture; 24-27 Lab; 80-90 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 923 or equivalent automotive electrical or computer controls work experience, or similar automotive electrical training.

Transfer Credit: CSU

AUTO 860 AUTOMOTIVE AIR CONDITIONING SYSTEMS (APPRENTICESHIP)

Theory and operation of air conditioning systems. Lab practices include maintenance, testing, diagnosis, and repair of these systems. Preparation for the ASE Certification Test is included. Letter Grade Only. Degree Credit.

Units: 2

Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 710 or AUTO 711 with a minimum grade of C; or work experience in the automotive industry; or a fundamentals class from another institution.

Transfer Credit: CSU

AUTO 865 IGNITION SYSTEMS I (APPRENTICESHIP)

A study of modern day and early design automotive electronic ignition systems. Emphasis is placed on the theory, operation, and testing of electronic and distributorless ignition systems. Letter Grade Only. Degree Credit.

Units: 0.5

Hours/semester: 24-27 Lab

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

AUTO 868 ON-BOARD DIAGNOSTICS II (OBDII) (APPRENTICESHIP)

In-depth study of generic On-Board Diagnostics II. Content includes history of OBD-II, comparison of OBD-I and OBD-II, J1930 Common Terminology, Flash Programming, Enhanced Monitors, Fuel Trim Strategies and MIL Strategies and...
Enabling Criteria, Drive Cycles, I/M Readiness flags, and Diagnostic Trouble Codes. This course meets the BAR Training requirement for obtaining initial or renewal license. It will also assist Technicians preparing for the State of California Smog License and ASE L1 exams. This course is for indentured apprentices. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 40-45 Lecture; 24-27 Lab; 80-90 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the local Machinist Union.

Recommended: AUTO 758 or AUTO 858 or equivalent training or work experience with automotive computer control systems.

Transfer Credit: CSU

AUTO 893 ENGINE PERFORMANCE (APPRENTICESHIP)
A study of the engine sub-systems responsible for good engine performance, clean air, and fuel economy. Topics covered include basic engine and ignition system operation and testing using various diagnostic test equipment. This course can be applied towards the education requirements necessary for eligibility to take the B.A.R. Smog Test. Letter Grade Only. Degree Credit.

Units: 2

Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 929 or experience working on automotive engines or the completion of a similar course on automotive engines.

Transfer Credit: CSU

AUTO 910 BASIC HYBRID POWERTRAINS (APPRENTICESHIP)
A survey of today’s hybrid vehicle powertrains. Hands-on experience performing scheduled hybrid maintenance services. Introduction to hybrid vehicle diagnosis and repair. Development of entry-level skills needed to work on hybrid vehicles in a professional environment. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 713 or AUTO 523 or equivalent automotive electrical systems training or industry experience; and AUTO 751 or AUTO 749 or equivalent training in automotive engine performance or engine performance industry experience.

Transfer Credit: CSU

AUTO 920 AUTOMOTIVE BRAKING SYSTEMS (APPRENTICESHIP)
A study of automotive braking systems. Emphasis will be placed on the theory of operation, diagnosis, and repair of current automotive braking systems and their related components. Preparation for the ASE Certification and California State Brake Inspector licensing. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 710 or AUTO 711 or Automotive fundamentals from another educational institution that provides braking and electrical fundamentals as part of the curriculum, or Automotive repair work experience.

Transfer Credit: CSU

AUTO 921 MANUAL TRANSMISSION, CLUTCHES AND DIFFERENTIALS (APPRENTICESHIP)
A study of manual transmissions/transaxles, clutches and differential operational principles, diagnosis, repair and overhaul. Emphasis will be placed on diagnosis and repair. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 710 or AUTO 711

Transfer Credit: CSU
AUTO 922 AUTOMOTIVE STEERING, SUSPENSION AND ALIGNMENT SYSTEMS (APPRENTICESHIP)

Study of automotive tires, wheels, shocks, springs, steering gears and wheel alignment. Everything related to the automotive suspension and steering systems including wheel alignment and tire service with a focus on diagnosis, service and repairs. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Transfer Credit: CSU

AUTO 923 AUTOMOTIVE ELECTRICAL AND ELECTRONIC SYSTEMS (APPRENTICESHIP)

An in-depth study of entry and advanced level automotive electrical and solid state electronics. Students will quickly move from theory to practical hands-on exercises that will enhance diagnostic skills and test equipment usage. Proper troubleshooting and analysis of wiring diagrams, multimeters, test light and digital storage scope are stressed. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Transfer Credit: CSU

AUTO 926 AUTOMATIC TRANSMISSION PRINCIPLES, REPAIR AND DIAGNOSIS (APPRENTICESHIP)

Automatic Transmissions/Transaxles operational theory, hydraulics, gears, electrical & computer controls are demystified. Troubleshooting, diagnosis and repair methods and techniques are reinforced with hands-on exercises. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 710 or AUTO 711 and AUTO 523

Transfer Credit: CSU

AUTO 929 MODERN ENGINE DESIGN, TROUBLESHOOTING AND REPAIR (APPRENTICESHIP)

The study of internal combustion engine and 21st century engine designs. Troubleshooting, precision measurement and repair of blocks, pistons, cranks, cylinder heads, valves and valve train systems. This course is for union technicians participating in an apprenticeship. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 710 or AUTO 711 with a minimum grade of C; or, 4 months (approximately 90 days) of high school or ROP Automotive fundamentals training that includes a section on the internal combustion engine; or, 3 months of automotive work experience working on vehicles in an automotive repair facility.

Transfer Credit: CSU

AUTO 930 ENGINE DESIGN WITH CYLINDER HEAD DIAGNOSIS AND REPAIR (APPRENTICESHIP)

The theory and design of internal combustion engines. Topics include the design and selection of intake and exhaust manifolds, camshaft, and cylinder head. Emphasis is placed on diagnosis, repairs and any modifications for efficiency. Letter Grade Only. Degree Credit.

Units: 4.5

Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework

Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.

Recommended: AUTO 529 or AUTO 929

AUTO 931 ENGINE DESIGN WITH BLOCK DIAGNOSIS AND REPAIR (APPRENTICE)

A study of the proper methods of disassembling, measuring, machining, and reassembling engine blocks. Various machining equipment, safe working habits, and the handling of waste coolant, oil and filters is included. Modern engine designs includes overhead cam and pushrod designs. The study of pistons, rings, crankshaft, connecting rods, bearings, lubrication systems and specialized block design. Letter Grade Only. Degree Credit.
Units: 4.5
Hours/semester: 56-63 Lecture; 48-54 Lab; 112-126 Homework
Prerequisites: This course is specific for indentured apprentices who are members of the Local Machinist Union.
Recommended: AUTO 529 or AUTO 929
Transfer Credit: CSU

Biology

NOTE TO LIFE SCIENCE MAJORS: Students planning to major in Biology, Biotechnology, Botany, Zoology, Ecology, Microbiology, Anatomy, Physiology, Forestry, Wildlife Management, Natural Resources, Medicine, Dentistry, Veterinary Medicine, Optometry, and Pharmacy should complete BIOL 215 and 230 (taken in sequence) and CHEM 210, 220, 234, 235, 237, 238; PHYS 210, 220, and the appropriate mathematics prerequisites.

BIOL 101 OUR BIOLOGICAL WORLD
Study of biology as it relates to humans and their environment with special emphasis on ecological interrelationships, evolution and genetics, and topics of current importance. Recommended for non-science majors to fulfill laboratory science transfer requirement. Letter Grade Only. Degree Credit.
Units: 4
Hours/semester: 48-54 Lecture; 48-54 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2, B3), UC (IGETC Area 5B)

BIOL 110 PRINCIPLES OF BIOLOGY
Using natural selection and physiological survival as a unifying theme, this course deals with the basic problems common to all living systems, and compares the functional solution that various organisms have evolved, illuminating the unity in diversity that characterizes life on earth. Recommended for non-science majors to fulfill laboratory science transfer requirement. Letter Grade Only. Degree Credit.
Units: 4
Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2, B3), UC (IGETC Area 5B)

BIOL 111 NATURAL HISTORY OF CALIFORNIA
Introduction to common animals and plants of the San Francisco Bay Region, their natural history and distributions. Letter Grade Only. Degree Credit.
Units: 4
Hours/semester: 48-54 Lecture; 48-54 Lab; 16-18 TBA; 80-90 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2, B3), UC (IGETC Area 5B)

BIOL 130 HUMAN BIOLOGY
Designed to provide students with an appreciation of the structure, function, and development of their own bodies. Topics include an introduction to science and scientific methods of investigation and some elementary chemistry (no previous background necessary) as a basis for understanding human functions such as digestion, circulation, reproduction, heredity, evolution, human ecological roles and other systems. Some diseases and other causes of body malfunction are discussed. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2), UC (IGETC Area 5B)

BIOL 140 ANIMALS, PEOPLE, AND ENVIRONMENT
This course will familiarize the student with the methods and importance of behavioral investigation in animals. Emphasis on past and current human-animal relationships, the impact on animal populations and increasing need for wildlife protection. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
BIOL 145 PLANTS, PEOPLE & ENVIRONMENT
A survey of plants emphasizing those aspects of plant biology that have affected the lives of people. Topics include: the success and failure of modern agriculture; the impact of humans on the environment; and the importance of plants in solving critical problems of hunger and conservation of energy. Attention is given to modes of inquiry or ways in which scientists carry out their investigations. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2), UC (IGETC Area 5B)

BIOL 150 INTRODUCTION TO MARINE BIOLOGY
A non-technical introduction to the scientific method used in studies of marine biology. Major emphasis is given to the natural history of marine animals and plants and their relationship with the oceanic environment. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2), UC (IGETC Area 5B)

BIOL 170 PRINCIPLES OF APPLIED BIOSCIENCE
A survey of the principles that govern the living world, from molecules to cells and tissues, to organs and whole organisms, to populations and ecosystems, to the entire biosphere. Special emphasis is placed upon experimental approaches, current issues, and practical application of the scientific method and biological principles to issues affecting public health, agriculture, and socioeconomic change. Current news and developments in relevant areas of biological sciences and biotechnology will be reviewed and discussed. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2), UC (IGETC Area 5B)

BIOL 171 LABORATORY PRINCIPLES OF APPLIED BIOSCIENCE
The laboratory introduces students to practical methods in preparing materials, reagents and media for conducting biological investigations and products of genetic engineering. Students will learn to measure and prepare solutions of various concentrations and pH, how to use basic chemistry and biological instrumentation such as digital scales, pipettes and micropipettes, centrifuges, and vertical and horizontal electrophoresis apparatuses. Students will plan and conduct biological experiments using the scientific method and employing modern laboratory methods and instrumentation. Data will be analyzed using spreadsheet software for tabulation and graphing. Teamwork, responsible lab technique, and proper and thorough notebook keeping will be emphasized. Letter Grade Only. Degree Credit.
Units: 1
Hours/semester: 48-54 Lab
Prerequisites: Completion of, or concurrent enrollment in,, BIOL 170 or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B3), UC (IGETC Area 5C)

BIOL 215 ORGANISMAL BIOLOGY: CORE I
As part of a two-course core program, BIOL 215 is an introductory survey of organismal form and function. Analysis of fundamental biological functions including nutrition, gas exchange, reproduction, natural selection, and ecology using representative living organisms. Letter Grade Only. Degree Credit.
Units: 5
Hours/semester: 48-54 Lecture; 96-108 Lab; 16-18 TBA; 80-90 Homework
Prerequisites: MATH 120 or MATH 123 or appropriate math placement test score and other measures as appropriate, or equivalent.
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2, B3), UC (IGETC Area 5B, 5C)
C-ID: BIOL 135S, BIOL 140
BIOL 230 INTRODUCTION TO CELL BIOLOGY: CORE II

An introduction to life functions as seen at the cellular level; cellular structure, macromolecular architecture and function, cellular energetics, chemical regulation, photochemical activities, molecular genetics, and genetic engineering. It is the second course in the two-course Biology core sequence. *Letter Grade Only. Degree Credit.*

**Units:** 5

**Hours/semester:** 48-54 Lecture; 96-108 Lab; 16-18 TBA; 80-90 Homework

**Prerequisites:** BIOL 215 and CHEM 210 or equivalent

**AA/AS Degree Requirements:** Area 9B2

**Transfer Credit:** CSU (CSU GE Area B2, B3), UC (IGETC Area 5B)

**C-ID:** BIOL 135S; BIOL 190

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BIOL 240 GENERAL MICROBIOLOGY

Morphology, taxonomy, ecology, and physiology of microorganisms, with emphasis on bacteria. Laboratory techniques on culture and identification of bacteria. Recommended for agriculture, biochemistry, nursing, pre-medical and pre-dental, biotechnology engineering, and other life science majors. *Letter Grade Only. Degree Credit.*

**Units:** 4

**Hours/semester:** 48-54 Lecture; 48-54 Lab; 16-18 TBA; 80-90 Homework

**Prerequisites:** Successful completion of a college-level laboratory science course.

**AA/AS Degree Requirements:** Area 9B2

**Transfer Credit:** CSU (CSU GE Area B2, B3), UC (IGETC Area 5B, 5C)

**C-ID:** BIOL 120B

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BIOL 250 HUMAN ANATOMY

Gross and microscopic structure of the human body through lecture and laboratory study of dissections, histology slides, anatomy models, and prosected human cadavers. Primarily intended for Nursing, Respiratory Care, Allied Health, Surgical Technology, Kinesiology, and other health-related fields. Elective for pre-dental, premedical, and pre-veterinary students. *Letter Grade Only. Degree Credit.*

**Units:** 4

**Hours/semester:** 48-54 Lecture; 48-54 Lab; 16-18 TBA; 80-90 Homework

**Prerequisites:** BIOL 100 (taken at Cañada or CSM), or, BIOL 101 or BIOL 110 or BIOL 130 or equivalent.

**AA/AS Degree Requirements:** Area 9B2

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BIOL 260 HUMAN PHYSIOLOGY

Study of how the organ systems function in maintaining homeostasis - regulating change and growth processes in humans. Recommended for students in allied health areas such as nursing, physical therapy, respiratory therapy, radiology, and related fields. *Letter Grade Only. Degree Credit.*

**Units:** 5

**Hours/semester:** 48-54 Lecture; 96-108 Lab; 96-108 Homework

**Prerequisites:** BIOL 250 or equivalent; and CHEM 192 or CHEM 210 or CHEM 410 or equivalent.

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 9B2

**Transfer Credit:** CSU (CSU GE Area B2, B3), UC (IGETC Area 5B, 5C)

**C-ID:** BIOL 120B

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BIOL 310 NUTRITION

Comprehensive introduction to scientific principles of nutrition and the interrelationships of metabolism; nutrient functions, structure and food sources; health consequences of nutrient excesses, deficiencies and diet related chronic diseases. Emphasis is placed on evaluating the nutrient content of foods, and evaluation of personal dietary habits using current dietary guidelines and nutritional assessment methods. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.

**AA/AS Degree Requirements:** Area 9E1

**Transfer Credit:** CSU (CSU GE Area E1), UC

**C-ID:** NUTR 110

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BIOL 426 GENETIC ENGINEERING

This course will examine how genes work and how they can be manipulated and cloned. Topics include DNA and protein synthesis, genetic engineering, and DNA fingerprinting. Also includes laboratory experience with DNA analyses: RFLP and PCR. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1
**COURSE DESCRIPTIONS**

**Hours/semester:** 16-18 Lecture; 32-36 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**Transfer Credit:** CSU

**BIOL 430 INTRODUCTION TO IMMUNOLOGY**
This course will examine the immune system and how it protects us from disease. Topics include vaccine and antiserum production by traditional methods and by genetic engineering. Also includes laboratory experience with laboratory techniques. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.  
**Units:** 1  
**Hours/semester:** 16-18 Lecture; 32-36 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**Transfer Credit:** CSU

**BIOL 432 FERMENTATION TECHNOLOGY**
Overview of the origin and development of industrial fermentations. Course will cover fermentations used in the production of beverages, food ingredients, enzymes, chemicals and pharmaceuticals to demonstrate microbial metabolism. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.  
**Units:** 1  
**Hours/semester:** 16-18 Lecture; 32-36 Homework  
**Recommended:** Eligibility for ENGL 836  
**Transfer Credit:** CSU

**BIOL 665 SELECTED TOPICS IN BIOLOGY**
This course is designed to develop specific skills, techniques or concepts that are appropriate to biology and/or biotechnology. The course will focus on one specific topic; for example, new or leading edge developments in biotechnology. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.  
**Units:** 0.5 - 2  
**Hours/semester:** 8-36 Lecture; 16-72 Homework  
**Transfer Credit:** CSU

**BIOL 675 HONORS COLLOQUIUM IN BIOLOGY**
One lecture hour per week or 3 lab hours per week. Corequisite: Concurrent enrollment in any non-honors biology level 100 or 200 course. Readings, discussion and lectures covering selected advanced topics in biology to be determined by the Biology Department and the Honors Program. May be repeated three times for credit. Letter Grade Only. Degree Credit.  
**Units:** 1  
**Hours/semester:** 16-18 Lecture; 32-36 Homework  
**Corequisites:** Completion of or concurrent enrollment in any non-honors biology level 100 or 200 course.  
**Transfer Credit:** CSU

**BIOL 695 INDEPENDENT STUDY IN BIOLOGY**
Designed for students who are interested in furthering their knowledge via self-paced, individualized instruction provided in selected areas or directed study to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.  
**Units:** 0.5 - 3  
**Hours/semester:** 24-162 Lab  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**Transfer Credit:** CSU

**Biotechnology**

**BTEC 150 BIOTECHNOLOGY INSTRUMENTATION: QUALITY CONTROL AND GENETIC ENGINEERING**
Familiarizes students with small scale laboratory instrumentation practices. Students analyze the quality of a cell culture process and the purify products produced by cells in culture using (GLP) methods. Students will gain experience with the common assays used in quality control including electrophoresis, High Performance Liquid Chromatography (HPLC), Enzyme Linked Immunosorbent Assay (ELISA), and the Polymerase Chain Reactions (PCR) to produces generated using cell culture. Letter Grade Only. Degree Credit.  
**Units:** 4  
**Hours/semester:** 48-54 Lecture; 48-54 Lab; 16-18 TBA; 80-90 Homework  
**Prerequisites:** BTEC 400 or equivalent.  
**Transfer Credit:** CSU

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2019-2020 Catalog
BTEC 170 PRINCIPLES OF APPLIED BIOSCIENCE
A survey of the principles that govern the living world, from molecules to cells and tissues, to organs and whole organisms, to populations and ecosystems, to the entire biosphere. Special emphasis is placed upon experimental approaches, current issues, and practical application of the scientific method and biological principles to issues affecting public health, agriculture, and socioeconomic change. Current news and developments in relevant areas of biological sciences and biotechnology will be reviewed and discussed. Also listed as BIOL 170. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B2), UC

BTEC 171 LABORATORY PRINCIPLES OF APPLIED BIOSCIENCE
The laboratory introduces students to practical methods in preparing materials, reagents and media for conducting biological investigations and products of genetic engineering. Students will learn to measure and prepare solutions of various concentrations and pH, how to use basic chemistry and biological instrumentation such as digital scales, pipettes and micropipettes, centrifuges, and vertical and horizontal electrophoresis apparatuses. Students will plan and conduct biological experiments using the scientific method and employing modern laboratory methods and instrumentation. Data will be analyzed using spreadsheet software for tabulation and graphing. Teamwork, responsible lab technique, and proper and thorough notebook keeping will be emphasized. Also listed as BIOL 171. Letter Grade Only. Degree Credit.

Units: 1
Hours/semester: 48-54 Lab
Prerequisites: Completion, of or concurrent enrollment in, BTEC 170 or equivalent.
Transfer Credit: CSU (CSU GE Area B3), UC

BTEC 210 BUSINESS AND REGULATORY PRACTICES IN BIOTECHNOLOGY
An examination of how basic business practices and good manufacturing procedures assure the quality and safety of a product as it is manufactured in the biotechnology production pipeline. The course specifically explores the role of government oversight and regulation during all phases of drug discovery, development and manufacturing. Letter Grade Only. Degree Credit.

Units: 1.5
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

BTEC 220 CELL CULTURE AND PROTEIN RECOVERY
Allows students to develop the skills needed to serve as a technician in biotechnology production. Students grow and monitor cells and participate in downstream purification on a laboratory scale that emulates the large-scale production used in industry. The course emphasizes the use of current Good Manufacturing Practices (cGMP), current Good Laboratory Practices (cGLP), and students gain experience following Standard Operating Procedures (SOP). Letter Grade Only. Degree Credit.

Units: 4
Hours/semester: 32-36 Lecture; 96-108 Lab; 16-18 TBA; 48-54 Homework
Prerequisites: BTEC 170 or equivalent.
Transfer Credit: CSU

BTEC 400 FOUNDATIONS OF BIOTECHNOLOGY
Overview of the origin and development of biotechnology and the bioscience industries. Includes cell growth, medical and food products produced by or impacted by biotechnology, and career opportunities in biotechnology. Also includes laboratory experience with bioreactors and making products. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

BTEC 480 BIOTECHNOLOGY PROJECT I
Biotechnology work experience in an open lab. Students work under local supervision in an open biotechnology lab under cGMP/cGLP conditions where they develop the process and procedures to create biotechnology product. Letter Grade Only. Degree Credit.

Units: 1.5
**COURSE DESCRIPTIONS**

**BTEC 482 BIOTECHNOLOGY PROJECT II**

Biotechnology field experience in an open lab where students prepare and test the manufacturing process of a biotechnology project in order to produce their product. *Letter Grade Only. Degree Credit.*

**Units:** 1.5

**Hours/semester:** 8-9 Lecture; 64 Field Experience; 16-18 Homework

**Recommended:** Two years of Biotechnology coursework.

**Transfer Credit:** CSU

**BTEC 484 BIOTECHNOLOGY RESEARCH PROJECT I**

Laboratory experience designed to promote discovery research. Working in teams, students conduct research projects that incorporate techniques in microbiology, virology, and molecular biology and involve use of bioinformatics tools and other computational analysis software. Emphasis is on reading and understanding scientific literature as well as improving critical thinking skills such as the ability to evaluate hypotheses or experimentally address scientific questions. Also addressed will be critical aspects of the research process including record keeping, ethics, laboratory safety and citizenry, mechanics of scientific writing, and project responsibilities and ownership. *Letter Grade Only. Degree Credit.*

**Units:** 1.5

**Hours/semester:** 8-9 Lecture; 64 Field Experience; 16-18 Homework

**Recommended:** Prior coursework in Biotechnology.

**Transfer Credit:** CSU

**BUS. 100 INTRODUCTION TO BUSINESS**

A basic orientation designed to develop a foundation of business practices and the role of business in the economy, and as an aid in selecting a field of specialization. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 9D3

**Transfer Credit:** CSU (CSU GE Area D)

**C-ID:** BUS 110

**BUS. 101 HUMAN RELATIONS AT WORK**

Application of basic principles in the behavioral sciences, communication, practical problems of personal growth, self-management, and the development of healthy, productive, interpersonal relationships, in the workplace. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 9D3

**Transfer Credit:** CSU (CSU GE Area D)

**BUS. 103 INTRODUCTION TO BUSINESS INFORMATION SYSTEMS**

Introduction to computer systems and software applications and their impact on the business environment. Topics include computer architecture, hardware, software, computer terminology and theory. Students use software applications as problem solving tools for business projects. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. BCM. 104 or equivalent.

**Transfer Credit:** CSU, UC

**BUS. 120 MATHEMATICAL ANALYSIS FOR BUSINESS**

Fundamental mathematical principles required for business courses. Includes introduction to calculus including applications; probability, including expected monetary value and decision making; and mathematics of finance, including amortization. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Prerequisites:** MATH 120 or equivalent.

**AA/AS Degree Requirements:** Area 9A3
Transfer Credit: CSU (CSU GE Area B4), UC (IGETC Area 2A)

BUS. 123 STATISTICS
Introduction to basic statistical methods, descriptive statistics, classification of data, probability, probability distributions, hypothesis testing, estimates and sample sizes, correlation and regression, chi-square tests, and analysis of variance. Use of technology to analyze data from business, life sciences, social sciences, psychology, health science, education, and physical science. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: MATH 120 or MATH 190 or equivalent.
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent. BUS. 120 or equivalent.
AA/AS Degree Requirements: Area 9A3
Transfer Credit: CSU

BUS. 150 ENTREPRENEURSHIP - SMALL BUSINESS MANAGEMENT
For potential or present entrepreneurs with or without prior experience. An emphasis on the mindset of the entrepreneur, business model concepts, business management, marketing, 21st century skills and developing a business pitch. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

BUS. 161 CREATIVITY AND INNOVATION IN ENTREPRENEURSHIP
Emphasis on creativity and innovation as a strategic process. Includes the role of risk-taking in entrepreneurship, opportunities that lead to successful business ventures and the examination of personality traits of successful entrepreneurs. For potential or present entrepreneurs with no prior business experience. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU

BUS. 162 MONEY TALKS: PERSONAL FINANCE
A basic orientation in personal financial planning designed to develop an understanding of the role of personal finance through financial ratio analysis. Topics will include: cash flow management techniques and their application to financial planning, analyzing financial risk and return fundamentals, credit fundamentals and develop an understanding of capital budgeting techniques and valuation Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Completion of MATH 110, or MATH 111 and MATH 112, with a grade of C or better, or equivalent.
Transfer Credit: CSU

BUS. 166 THE BUSINESS PLAN
Preparation of a compelling and well-researched business plan to be used as a guide for starting or managing a small business. Emphasis is placed on formulation of effective strategies with the goal of achieving sustainable market advantage within the political, social, and economic environment. The role of business incubators as a means of leveraging physical and intellectual resources to accelerate and ensure the success of entrepreneurial businesses is also examined. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU

BUS. 180 PRINCIPLES OF MARKETING
An overview of the fundamental concepts, principles and applications for both Business-to-Consumer and Business-to-Business marketing. Examines the marketing mix – the four Ps of marketing–product, price, placement, promotion--and the role of each in effective marketing. Also addresses market research, target marketing and marketing planning. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

BUS. 188 CONSUMER BEHAVIOR AND INTERPRETING MARKETING DYNAMICS
An in-depth study of how psychological, sociological, and cultural variables influence buying behavior and marketing strategy development. Will focus on identifying the relevant
behavioral variables in a given product purchase situation and determining what marketing strategies can be adapted to meet the ways in which consumers perceive, select, and buy. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Transfer Credit:** CSU

**BUS. 189 SALES AND SELF PROMOTION: FUNDAMENTALS OF PERSONAL SELLING**

An introduction to the basic concepts and practices of relationship selling and a practical approach to creating enduring customer interactions. Learning will be through examples, exercises and role-playing of selling situations. The skills acquired are applicable in all aspects of life - course work, job search, career sales, and idea presentation. Sales ethics, account relationship management and aspects of motivating sales forces will also be covered. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Transfer Credit:** CSU

**BUS. 192 ETHNIC AND MULTICULTURAL MARKETING**

Today's marketing success depends on the ability to segment customers effectively, and it calls for specialized approaches to deliver an effective and ethnically aware marketing mix. Through case studies and market analysis, you will explore how to create the right messages for the right audience and do so in a way that isn't appropriating cultures and is current and delivers results. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Transfer Credit:** CSU

**BUS. 193 DIGITAL MARKETING**

Digital technologies and platforms are routinely used to market to consumers and businesses. Study of best practices including social media, web, mobile media as it applies to consumers, for political and advocacy purposes as well as internal audiences within an organization. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Transfer Credit:** CSU

**BUS. 201 BUSINESS LAW**

Origin, development, and functions of the law and the legal environment with the objective of promoting a general understanding of legal reasoning. Framework within which the judicial process takes place. Legal problems pertaining to contracts and related topics, sales, and the impact of law on economic enterprise. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** BUS 120

**BUS. 269 WAREHOUSING AND LOGISTICS**

Introduces students to warehouse operations and logistics. Topics include warehousing, software information systems used in warehousing, and OSHA 10 Safety. The class will include hands-on activities in relation to logistics and warehousing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 4  
**Hours/semester:** 48-54 Lecture; 48-54 Lab; 96-108 Homework  
**Transfer Credit:** CSU

**BUS. 287 FUNDAMENTALS OF PROJECT MANAGEMENT**

Introduction to project management, including: project scope and objectives, scheduling and estimating, resource allocation, risk management, communication and organization dynamics, project monitoring, controls, and overview of professional credentials. Overview of Project Management Professional Certification Exam. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Transfer Credit:** CSU

**BUS. 391 RETAIL MANAGEMENT**

Retail operations from a managerial perspective. Topics include, innovations impacting retail, exposure to various types of retailers including consumer buying behavior, retail marketing approaches, merchandising, store management, store layout and design and customer service. Letter Grade Only. Degree Credit.

**Units:** 3
BUS. 401 BUSINESS COMMUNICATIONS
An overview of effective business communication skills and their direct relationship to workplace success. Emphasis is placed on the planning, organizing, composing, and revising of business documents such as letters, memos, reports, and emails. Presentation skills, professional behavior in the workplace, and current communication technologies are included with an emphasis on real world problem solving. Digital communication topics include presentation software, emails, business-relevant social media, and mobile technologies. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ENGL 100 or equivalent.
Transfer Credit: CSU
C-ID: BUS 115

BUS. 665 SELECTED TOPICS IN BUSINESS
Designed to develop specific skills that are utilized in business settings. Will focus on one specific topic; for example, a specific software package, telephone techniques, time management, human relations skills, small business management, etc. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1.5
Hours/semester: 8-27 Lecture; 16-54 Homework
Transfer Credit: CSU

BUS. 670 VOCATIONAL COOPERATIVE EDUCATION IN BUSINESS
Students may receive credit for work experience related to their major field or to their established career goal. Seminars and individual conferences are scheduled at convenient times during the semester for the instructor and the student to establish learning objectives related to the student's employment. One unit of credit for each 75 hours worked per semester, with a maximum of four units per semester, may be earned by students with jobs related to their academic or occupational majors or goals. May be repeated for credit up to 16 units. This limitation applies to Occupational Cooperative Education work experience courses offered within the SMCCCD. Pass/No Pass Only. Degree Credit.

Units: 3
Hours/semester: 225 Work Experience
Prerequisites: Concurrent enrollment in a planned vocational program, and employment in a college-approved job directly related to the student's academic major.
Transfer Credit: CSU

BUS. 695 INDEPENDENT STUDY IN BUSINESS
Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 or 3
Hours/semester: 24-162 Lab
Transfer Credit: CSU

Business Computer Systems and Management
See also listings under Computer Science and Network Engineering Technologies.

BCM. 100 BEGINNING COMPUTER KEYBOARDING
An introductory typing course for students who want to learn how to type and develop skill using the computer keyboard. Emphasis is on developing correct techniques and basic keyboarding skills. No typing applications or formatting will be taught. Pass/No Pass Only. Degree Credit.

Units: 1.5
Hours/semester: 24-27 Lecture; 8-9 TBA; 40-45 Homework
Transfer Credit: CSU
Recommended: BCM. 100 or equivalent.

BCM. 101 COMPUTER KEYBOARDING SKILL BUILDING
Designed to improve a student's ability to type rapidly and accurately for sustained periods of time without looking at the keyboard. Students may also use the course to improve typing speed and accuracy. Pass/No Pass Only. Degree Credit.

Units: 1.5 - 3
Hours/semester: 24-54 Lecture; 8-9 TBA; 40-99 Homework
Recommended: BCM. 100 or equivalent.
Transfer Credit: CSU
BCM. 104 INTRODUCTION TO COMPUTERS WITH WINDOWS I
Through hands-on experience, students will be introduced to PC-compatible computers, the Windows operating system, word processing, spreadsheets, and other business-oriented applications. In a lecture/demonstration format, students will gain a basic knowledge of hardware-software interaction. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1.5

**Hours/semester:** 24-27 Lecture; 8-9 TBA; 40-45 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU

BCM. 106 MICROSOFT OUTLOOK
Learn how to effectively use Microsoft Outlook for a wide range of communication and organizational tasks. Topics include sending, receiving and filing emails, organizing contacts, and scheduling appointments, events and meetings. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1

**Hours/semester:** 16-18 Lecture; 32-36 Homework

**Transfer Credit:** CSU

BCM. 200 INTRO TO COMPUTER APPLICATIONS AND SUITES
Introduction to the basic computer applications and features using Word, Excel, Presentation Software, Google Drive and the Internet. Provides foundational skills needed to take advanced level computer application courses. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Transfer Credit:** CSU

BCM. 214 WORD PROCESSING I: WORD
Using a hands-on approach, students will use a computer and word processing software to learn the theories and practical applications of the current version of Word to create, edit, format, manage and enhance documents using customized features. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1

**Hours/semester:** 16-18 Lecture; 12-13.5 TBA; 20-22.5 Homework

**Recommended:** Knowledge of the computer keyboard or completion of a typing class.

**Transfer Credit:** CSU

BCM. 215 WORD PROCESSING II: WORD
Using a hands-on approach, students will expand their word processing knowledge and skills by learning theories and practical applications of the current version of Word to focus on advanced applications such as multi-page documents, merges, tables, graphics, macros, and styles. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 2

**Hours/semester:** 32-36 Lecture; 16-18 TBA; 48-54 Homework

**Prerequisites:** BCM. 214 or equivalent.

**Transfer Credit:** CSU

BCM. 225 SPREADSHEETS I: EXCEL
An introduction to Microsoft Excel software which is used to build, format and print spreadsheets. Topics include the design and creation of professional-looking spreadsheets for personal use or in today's workplace. Students develop worksheets with formulas and built-in functions and present data in graphic form with charts. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1

**Hours/semester:** 16-18 Lecture; 8-9 TBA; 24-27 Homework

**Recommended:** BCM. 104 or equivalent.

**Transfer Credit:** CSU

BCM. 226 SPREADSHEETS II: EXCEL
Students advance their knowledge of spreadsheets using Microsoft Excel software by learning how to design, enhance, link, and consolidate worksheets, as well as apply statistical and financial functions. Additional topics include database management, working with templates, PivotCharts, PivotTables, and macros. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 2

**Hours/semester:** 32-36 Lecture; 16-18 TBA; 48-54 Homework

**Recommended:** BCM. 225 or equivalent.

**Transfer Credit:** CSU

BCM. 241 MS PROJECT FUNDAMENTALS I
Introduction to project management software covering the foundation of managing projects in today's business
environment. Explore how to manage project resources, organize schedules, assign tasks and resources, and produce reports to achieve project success. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 1.5  
**Hours/semester:** 24-27 Lecture; 48-54 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**Transfer Credit:** CSU

**BCM. 242 MS PROJECT FUNDAMENTALS II**
Further study of project management software. Covers baselines, updating and tracking, detailed customized reports, integrating with other applications, and working with multiple projects. Intended for students who have basic knowledge of project management software. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 1.5  
**Hours/semester:** 24-27 Lecture; 48-54 Homework  
**Recommended:** BCM. 241 or equivalent.  
**Transfer Credit:** CSU

**BCM. 301 MAXIMIZING YOUR EMPLOYMENT POTENTIAL**
A culminating course to assist students in compiling a professional portfolio (job related interview questions, resumes, cover and thank you letters) which can be used to obtain employment and qualify for promotions. The focus is on online job seeking strategies, employment resources, interviewing techniques, and goal setting. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 1.5  
**Hours/semester:** 24-27 Lecture; 8-9 TBA; 40-45 Homework  
**Transfer Credit:** CSU

**BCM. 665 SELECTED COMPUTER TOPICS**
Short course used to introduce, develop, or review business computer system topics, office management, or applications. The course will focus on a specific topic: the introduction of basic computer skills, introduction of applications packages, upgrades of software packages, office management related topics, or a particular segment of a semester-length course. Pass/No Pass Only.

**Units:** 0.5 - 2  
**Hours/semester:** 8-36 Lecture; 4-20 TBA; 12-52 Homework  
**Transfer Credit:** CSU

**BCM. 695 INDEPENDENT STUDY IN BUSINESS COMPUTER SYSTEMS AND MANAGEMENT**
Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 or 3  
**Hours/semester:** 24-162 Lab  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**Transfer Credit:** CSU

**Career and Personal Development**
See also listings under Counseling.  
These courses offer students the opportunity to gain knowledge about themselves and their behavior and to develop techniques for successful educational, career and personal planning.

**CRER 116 DECIDING ON A MAJOR**
Designed to assist students who are undecided about their major, this course will introduce students to major & career research and decision making strategies to guide their making a decision about their college major. The connections between college majors and occupations with be explored. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5  
**Hours/semester:** 8-9 Lecture; 16-18 Homework  
**Transfer Credit:** CSU

**CRER 137 LIFE AND CAREER PLANNING**
Designed for the student who is undecided about occupational options, this course offers a comprehensive approach to life and career planning. Career assessments designed to provide increased insights into students' abilities, interests, and temperament are utilized. Students research occupational trends and specific careers clusters, demonstrate professional communication methods including resume writing, occupational portfolio, and interview techniques. Individual conferences are available.
to students and use of the Career Center as resources for further individual exploration. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

AA/AS Degree Requirements: Area 9E1

Transfer Credit: CSU (CSU GE Area E1)

CRER 145 SOFT SKILLS FOR THE WORKPLACE
An examination of the soft skills (self-management and people skills) that are necessary for gaining entry-level employment and succeeding in the workplace, including communication, collaboration, critical thinking/problem-solving, resume and cover letter writing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1

Hours/semester: 16-18 Lecture; 32-36 Homework

Transfer Credit: CSU

CRER 665 SELECTED TOPICS IN CAREER AND PERSONAL DEVELOPMENT
Discussion and exploration of various career-related topics and their application to a student's major, career development, and career exploration. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2

Hours/semester: 8-36 Lecture; 16-72 Homework

AA/AS Degree Requirements: Area 9E1

Transfer Credit: CSU (CSU GE Area E1)

Chemistry

CHEM 112 CHEMISTRY IN ACTION
An introduction to chemistry and laboratory investigation for non-science majors. The course will focus on chemicals and reactions common in everyday life, medicine, industry, and in the body. Concepts relating to the nature and interactions of atoms, ions, and molecules will be presented. Students will learn how to use scientific methods to investigate questions about how chemical systems work. Students will also learn to use and evaluate information presented on product labels, in advertisement, and available through the internet. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

AA/AS Degree Requirements: Area 9B1

Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A, 5C)

C-ID: CHEM 140; PHYS 140

CHEM 114 SURVEY OF CHEMISTRY AND PHYSICS
A conceptual survey of physical science (physics and chemistry) intended for non-science majors at the General Education level. A general discussion of the scientific method and techniques will be followed by physics, chemistry, and integrated topics. The laboratory portion will cover a hands-on exploration of phenomena discussed in lecture. The physics component of the course will discuss motion, force, energy, electricity and magnetism, waves and light. The chemistry component of the course will focus on chemicals and reactions common in everyday life. Concepts relating to the nature and interactions of atoms, ions, and molecules will be presented. Students will also learn to use and evaluate information presented on product labels, in advertisement, and available through the internet. Also listed as PHYS 114. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: MATH 110 or MATH 111 and MATH 112 or equivalent.

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

AA/AS Degree Requirements: Area 9B1

Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A, 5C)

C-ID: CHEM 140; PHYS 140

CHEM 192 ELEMENTARY CHEMISTRY
An introductory course in Chemistry designed to prepare students for General Chemistry 1 (CHEM 210). Provides an introduction to fundamental concepts in chemistry with an emphasis on the application of mathematical problem-solving methods to chemistry. Lecture topics will include the basic structure of atoms, the combination of elements in chemical compounds, the metric system and measurement, significant figures, using dimensional analysis and algebra to solve chemical problems, describing chemical reactions using balanced equations, and stoichiometry. In the laboratory, the student will be introduced to the use of common laboratory equipment and techniques. Letter Grade Only. Degree Credit.

Units: 4
**CHEM 210 GENERAL CHEMISTRY I**

The first semester of a two-semester sequence with laboratory intended for science, engineering, and pre-professional majors. It includes a detailed study of atomic and molecular structures, stoichiometric calculations, solutions, thermochemistry, gas laws, physical states, atomic electron orbital theory, and chemical bonding. The course also includes laboratory study of these concepts, experimental chemistry techniques, and the analysis and interpretation of experimental findings. Letter Grade Only. Degree Credit.

**Units:** 5

**Hours/semester:** 48-54 Lecture; 96-108 Lab; 96-108 Homework

**Prerequisites:** MATH 120 or MATH 123 or equivalent; or appropriate placement test score and other measures as appropriate.

**Recommended:** CHEM 192 or one year of high school college preparatory chemistry, or equivalent.

**AA/AS Degree Requirements:** Area 9B1

**Transfer Credit:** CSU (CSU GE Area B1, B3), UC (IGETC Area 5A, 5C)

**C-ID:** CHEM 110; CHEM 120S

**CHEM 220 GENERAL CHEMISTRY II**

The second semester of a two-semester sequence with laboratory intended for science, engineering, and pre-professional majors. It includes a study of acid-base chemistry, equilibrium, kinetics, thermodynamics, electrochemistry, descriptive chemistry, and nuclear chemistry. The course also includes laboratory study of these concepts, experimental chemistry techniques, and the analysis and interpretation of experimental findings. Letter Grade Only. Degree Credit.

**Units:** 5

**Hours/semester:** 48-54 Lecture; 96-108 Lab; 96-108 Homework

**Prerequisites:** CHEM 210 or equivalent.

**AA/AS Degree Requirements:** Area 9B1

**Transfer Credit:** CSU (CSU GE Area B1, B3), UC (IGETC Area 5A, 5C)

**C-ID:** CHEM 120S

**CHEM 234 ORGANIC CHEMISTRY I**

Nomenclature, bonding, structural isomerism, stereochemistry, conformational analysis, physical properties structure, reactions and reaction mechanisms of organic compounds, with emphasis on alkanes, alkenes, alkynes, alkyl halides, alcohols, and ethers. Emphasis on reactivity, and reaction mechanisms. Infrared and nuclear magnetic resonance spectroscopy are an integral part. Chemistry 234 is the first semester in a two-semester sequence in organic chemistry. Letter Grade Only. Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Prerequisites:** CHEM 220 or equivalent.

**AA/AS Degree Requirements:** Area 9B1

**Transfer Credit:** CSU (CSU GE Area B1), UC (IGETC Area 5A)

**C-ID:** CHEM 150, 160S

**CHEM 235 ORGANIC CHEMISTRY II**

Continuation of CHEM 234 with an introduction to the chemistry of aromatics, amines, carbanions, carboxylic acids, aldehydes, ketones and biochemical topics focusing on structure, synthesis, and mechanisms of reaction. Letter Grade Only. Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Prerequisites:** CHEM 234 or equivalent.

**AA/AS Degree Requirements:** Area 9B1

**Transfer Credit:** CSU (CSU GE Area B1), UC (IGETC Area 5A)

**C-ID:** CHEM 160 S

**CHEM 237 ORGANIC CHEMISTRY LAB I**

Organic chemistry laboratory designed to accompany CHEM 234. Introduction of the basic techniques of synthesis, separation and purification of organic compounds. Identification of main functional groups by spectroscopic techniques also introduced. Letter Grade Only. Degree Credit.

**Units:** 2

**Hours/semester:** 96-108 Lab

**Prerequisites:** Completion of, or concurrent enrollment in, CHEM 234 or equivalent.
AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5C)
C-ID: CHEM 150, 160S

CHEM 238 ORGANIC CHEMISTRY LAB II
Organic chemistry laboratory designed to accompany CHEM 235 by emphasizing techniques for the synthesis, isolation, purification and identification of organic compounds. Qualitative analysis of unknowns by preparation of derivatives and spectroscopic methods is an integral component of the course. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 96-108 Lab
Prerequisites: CHEM 234 and CHEM 237 or equivalent; and completion of, or concurrent enrollment in,, CHEM 235 or equivalent.

AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5C)
C-ID: CHEM 160 S

CHEM 410 CHEMISTRY FOR HEALTH SCIENCES
Survey of the principles of general, organic, and biochemistry. The physical and chemical properties of inorganic, organic, and biomolecules. Includes a study of equilibrium in chemical systems with special emphasis on chemical processes in the body. The laboratory component introduces qualitative and quantitative techniques of chemical study and manipulations with inorganic, organic, and biochemical reactions. Designed for Health Science majors (e.g. respiratory therapy, nursing). Not intended for students majoring in biology, chemistry, physics, engineering, or pre-professional programs such as medicine, dentistry, or pharmacy. Letter Grade Only. Degree Credit.
Units: 4
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: MATH 110 or appropriate placement test scores and other measures as appropriate, or equivalent.
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B1, B3)

Chinese
Language Lab and Listening Requirement: Students enrolled in foreign language courses are required to make use of the language lab as prescribed by each department. Imitation, response, and independent practice are integral features of the study of a foreign language at the College.

CHIN 111 ELEMENTARY CHINESE I
The first course of a basic two-course sequence covering the same course materials as a university-level first semester Mandarin Chinese course. Students will acquire the ability to understand, speak, read, and write elementary Mandarin Chinese and will learn about the customs, culture and history of the Chinese world. A college-level-course equivalent to one year of high school foreign language. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU, UC

CHIN 112 ELEMENTARY CHINESE II
Second course of a basic two-course sequence covering the same course materials as a university-level first semester Mandarin Chinese course, equivalent to the first year of High School foreign language. Students will further their ability to understand, speak, read, and write elementary Mandarin Chinese and their knowledge of the customs, culture and history of the Chinese world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: CHIN 111 or equivalent.

AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

CHIN 121 ADVANCED ELEMENTARY CHINESE I
Continuing development of students' communicative competence through the study of grammar, acquisition of new vocabulary, and practice of the four language skills: listening, speaking, reading, and writing. Content-appropriate social and cultural information will be presented to promote the students' understanding of the Mandarin Chinese-speaking world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: CHIN 112 or equivalent.

AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

CHIN 122 ADVANCED ELEMENTARY CHINESE II
The continued development of students' communicative competence through the study of grammar, acquisition of new vocabulary, and practice of the four language skills: listening, speaking, reading, and writing. Content-appropriate social and cultural information will be presented to promote the students' understanding of the Mandarin Chinese-speaking world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: CHIN 121 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

Communication Studies

COMM 110 PUBLIC SPEAKING
Study and practice in the basic principles of effective public oral communication. Students will research, prepare and extemporaneously deliver various speeches. Analysis and evaluation of oral, public communication is also included. Relevant social issues may be examined. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9A1
Transfer Credit: CSU (CSU GE Area A1), UC (IGETC Area 1C)
C-ID: COMM 110

COMM 127 ARGUMENTATION AND DEBATE
Principles and techniques of argumentation and debate. Research in significant social problems. Analysis of propositions, issues, evidence and reasoning. Training and experience in the presentation and evaluation of oral and written arguments. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9A1
Transfer Credit: CSU (CSU GE Area A1), UC (IGETC Area 1C)
C-ID: COMM 120

COMM 130 INTERPERSONAL COMMUNICATION
Study and practice of interpersonal relationships. Analysis of the verbal and non-verbal modes of communication. Investigation of communication conflicts in interpersonal relationships and methods of conflict resolution. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9A1
Transfer Credit: CSU (CSU GE Area A1), UC (IGETC Area 1C)
C-ID: COMM 130

COMM 140 SMALL GROUP COMMUNICATION
Understanding of the principles of group interaction and decision making, including study of leadership, types of authority, teamwork, and conflict resolution. Participation in discussion groups to share information, to solve problems, and to reach consensus. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9A1
Transfer Credit: CSU (CSU GE Area A1), UC (IGETC Area 1C)
C-ID: COMM 140

COMM 150 INTERCULTURAL COMMUNICATION
Designed for students from all cultural backgrounds. Study of basic theory and skills of intercultural communication using round table discussion, public speaking and critical analysis. Emphasis is given to empathy building for communicating effectively in a diverse social and professional environment. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9A1
Transfer Credit: CSU (CSU GE Area A1), UC
C-ID: COMM 150
COMM 160 GENDER AND COMMUNICATION
Study of the relationships between gender and communication in multiple sociocultural contexts. Analysis of the intersectional relationships between gender and identity, culture, perception, power, media, history, language, and nonverbal communication from social science, interpretive, and critical theoretical approaches. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)

COMM 172 FORENSICS
Development, preparation, and practice of competitive speaking, argumentation, research, and writing skills specializing in one or more of the following areas: oral interpretation of literature, debate, platform speaking, or limited preparation speaking. Students will be required to participate in intercollegiate speech and debate tournaments and/or community events. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 8-9 Lecture; 24-27 Lab; 16-18 Homework
Recommended: COMM 110 and COMM 127
Transfer Credit: CSU

COMM B10 HEALTH COMMUNICATION
Students will develop an understanding of how health communication concepts, theories, research methods, cases and other practices are applied in addressing real-world health issues, its administration and decision-making. Students will study health communication approaches and action areas as well as plan, implement and evaluate health promotion and behavior change campaigns. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Bachelor of Science in Respiratory Care Program; and COMM 130 or COMM 150 or equivalent.

Computer Science
See also listings under Business Computer Systems and Management and Network Engineering Technologies.

COMP 121 THE ART OF CODING: IOS APP DEVELOPMENT WITH SWIFT
Introduction to computer hardware and the programming commands to control them. Topics include: hardware, operating systems, and the Software Development Life Cycle which includes design, development, documentation, the importance of review, principles of testing and maintenance; Algorithm development, Procedural, Structural, and Event-driven programming; data types, variables, expressions, selection and repetition structures, functions passing by value and reference, recursion, all about arrays, file I/O, exception handling, and classes. Students will use the Swift programming language and Apple's xCode development environment to design and test basic object-oriented, event-driven iOS apps for deployment on an iPhone or iPad. This course engages students in basic computer science concepts and skills necessary to move into and excel in computer science and engineering courses. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework
Transfer Credit: CSU

COMP 155 COMPUTER PROGRAMMING VISUAL BASIC
An introduction to computer programming using the high level language VISUAL BASIC. The course covers terminology and syntax, event-driven and object-oriented programming, how to solve problems starting with descriptions of the problem in English and translating the description into Visual Basic. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: MATH 110 or equivalent.
Transfer Credit: CSU, UC

COMP 250 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING: C++
Introduction to programming and software engineering for computer science and engineering majors and computer professionals. A systematic approach to the design, implementation, and management of robust C++ computer programs. Course emphasizes Object-Oriented programming design, programming documentation, testing and debugging techniques. This course conforms to the ACM CS1 standards. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: MATH 222 or equivalent.
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Some previous programming experience or coursework.

Transfer Credit: CSU, UC
C-ID: COMP 122, ENGR 120

COMP 251 INTRODUCTION TO MICROCONTROLLERS WITH C/C++

Introduction to computer programming concepts and methodologies in C/C++ using microcontrollers to program computer circuits and hardware. Covers a microcontroller such as the Atmel AVR or Arduino single-board computer and circuits like LED displays and servo motor controllers. Teaches algorithms, data types, memory usages and management, files and streams, hardware interfaces, sensors, motors, basic control techniques, and microcontroller peripherals including timers, analog-to-digital conversion, interrupts, and serial communication. 

Letter Grade Only. Degree Credit.

Units: 1
Hours/semester: 48-54 Lab
Prerequisites: Completion of, or concurrent enrollment in,, COMP 250 or equivalent.

Recommended: Completion of MATH 120, or MATH 122 and MATH 123, with a grade of C or better, or equivalent. Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU, UC
C-ID: ENGR 120

COMP 252 DATA STRUCTURES: C++

Design and implementation of larger projects using object-oriented software engineering principles with emphasis on definition and use of data structures including: arrays, stacks, queues, linked lists, trees, hash tables, dictionaries, sets and graphs. Standard methods are used for sorting, searching and analyzing the relative efficiency of algorithms (Big-O notation). This course conforms to the ACM CS2 standards. 

Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: COMP 250 or equivalent.

Recommended: Completion of MATH 120, or MATH 122 and MATH 123, with a grade of C or better, or equivalent. Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU, UC
C-ID: ENGR 120

COMP 256 COMPUTER ARCHITECTURE AND ASSEMBLY LANGUAGE

Covers the basics of Integrated Circuit technology, digital logic gates and circuit design, computer organization and ISA standard computer architecture, microcode, number systems and data representation, machine languages, Assembly languages and programming, memory systems, addressing, Operating Systems, interrupt/exception handling, input/output processing, and the connection between high-level language, assembly language, and machine operation on a microprocessor system. 

Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: COMP 250 or equivalent.

Transfer Credit: CSU, UC
C-ID: COMP 142

COMP 262 DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

Covers the fundamental mathematical elements of computer science including mathematical logic, sets, functions and relations, generating functions, combinatorics, methods of mathematical proof, basic number theory, algorithms, graphs, and trees. 

Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: MATH 251 and COMP 250 or COMP 284 or equivalent.

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 9A3
Transfer Credit: CSU (CSU GE Area B4), UC (IGETC Area 2A)
C-ID: COMP 152

COMP 284 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING: JAVA

Introduction to object-oriented computer programming for computer science majors and computer professionals. Emphasizes object-oriented design, good software engineering principles and developing fundamental programming skills in Java. This course conforms to the ACM CS1 standards. 

Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Completion of MATH 120, or MATH 122 and MATH 123, with a grade of C or better, or equivalent.
Eligibility for ENGL 100 or ENGL 105, or equivalent. COMP 118 or equivalent

Transfer Credit: CSU, UC
C-ID: COMP 122

**COMP 286 DATA STRUCTURES: JAVA**
Abstract data type implementation and usage techniques for computer science majors and computer professionals. Object-oriented approach to a variety of abstract data types including: lists, stacks, queues, priority queues, trees, maps and graphs. Also includes advanced sorting and searching topics, and algorithmic analysis using Big-O notation. This course conforms to the ACM CS2 standards. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: COMP 284 or equivalent
Transfer Credit: CSU

**COMP 665 SELECTED TOPICS IN COMPUTER SCIENCE**
This course explores selected contemporary topics or themes in Computer Science. Example topics include new programming languages, operating systems, net-centric computing, problem-solving and program design methodologies, software engineering processes, graphical user-interface design, information management, and contemporary issues in Computer Science. Grade Option (Letter Grade or Pass/No Pass).

Units: 0.5 - 2
Hours/semester: 8-32 Lecture; 16-64 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Completion of MATH 120, or MATH 122 and MATH 123, with a grade of C or better, or equivalent.
Transfer Credit: CSU

**COMP 695 INDEPENDENT STUDY IN COMPUTER SCIENCE**
Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 3
Hours/semester: 24-162 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

**COOP 670 VOCATIONAL COOPERATIVE EDUCATION**
Students may enroll in Occupational Work Experience (Cooperative Education 670) up to a total of 16 units of credit (no more than 8 units in a given term).

**COOP 671 GENERAL COOPERATIVE EDUCATION**
Designed for the student who does not have a job that relates to a specific occupational goal or college major. Under the direction of the Cooperative Education Coordinator, students focus on career awareness and the development of desirable employment habits, skills and
attitudes. Each student must establish measurable learning objectives appropriate for his/her job. Students may be eligible for up to three units of credit per semester, and the course may be repeated for a maximum of six units of credit. One unit of credit may be earned for each 75 hours of paid work (approximately five hours per week) or 60 hours of volunteer work per semester. Students must be enrolled in a minimum of seven units (including the Cooperative Education course) to earn Cooperative Education credit. **Pass/No Pass Only.**

**Units:** 1 - 3  
**Hours/semester:** 60-225 Work Experience  
**Transfer Credit:** CSU

### Cosmetology

See also listings under Wellness.

#### COSM 665 SELECTED TOPICS IN COSMETOLOGY

Selected short course topics designed for Cosmetology, Esthetician, and Spa professionals who are interested in increasing or developing new skills, for the person who is interested in acquiring knowledge or skills related to self enhancement, and for those interested in exploring career opportunities in the Cosmeology, Esthetician, or Spa fields. **Pass/No Pass Only. Degree Credit.**

**Units:** 0.5 - 2  
**Hours/semester:** 8-36 Lecture; 16-72 Homework

#### COSM 670 VOCATIONAL COOPERATIVE EDUCATION IN COSMETOLOGY

Students may receive credit for work experience related to their major field or to their established career goal. Seminars and individual conferences are scheduled at convenient times during the semester for the instructor and the student to establish learning objectives related to the student's employment. Students are given appropriate assignments related to the stated objectives and graded in accordance with the college's established grading system. As an alternative, related instruction classes meeting one hour per week, usually in the evening, are available for those students who prefer or need a more structured learning process. One unit of credit for each 75 hours worked per semester, with a maximum of four units per semester, may be earned by students with jobs related to their academic or occupational majors or goals. May be repeated for credit up to 16 units. This limitation applies to Occupational Cooperative Education work experience courses offered within the SMCCCD. **Pass/No Pass Only.**

**Units:** 1  
**Hours/semester:** 75 Work Experience

**Prerequisites:** Permission of the Cooperative Education Office, concurrent enrollment in a planned vocational program, and employment in a college-approved job directly related to the student's academic major.  
**Transfer Credit:** CSU

#### COSM 695 INDEPENDENT STUDY IN COSMETOLOGY

Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 0.5 - 3  
**Hours/semester:** 24-162 Lab  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

#### COSM 701 COSMETOLOGY CORE CONCEPTS

One of three courses in the first semester of the Cosmetology sequence. Topics include history and career opportunities, life skills, professional image, communicating for success, infection control, skin care, nail care, basic makeup, and basic hairstyling. Students will work towards California Board of Barbering and Cosmetology minimum practical operations in subjects learned. **Letter Grade Only. Degree Credit.**

**Units:** 6  
**Hours/semester:** 32-36 Lecture; 192-216 Lab; 64-72 Homework  
**Prerequisites:** Admission to the Cosmetology Program by special application.  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

#### COSM 702 COSMETOLOGY HAIR DESIGN CONCEPTS

One of three courses in the first semester of the Cosmetology sequence. Topics include properties of hair and scalp, scalp care and conditioning, principles of hair design, men's and women's haircutting, and basic styling techniques. Students will work towards California Board of
Barbering and Cosmetology minimum practical operations in subjects learned. *Letter Grade Only. Degree Credit.*

**Units:** 6

**Hours/semester:** 32-36 Lecture; 192-216 Lab; 64-72 Homework

**Prerequisites:** Admission to the Cosmetology Program by special application.

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

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**COSM 703 COSMETOLOGY CHEMICAL CONCEPTS**

One of three courses in the first semester of the Cosmetology sequence. Topics include basics of chemistry, chemical texture services, and hair color basics. Students will work towards California Board of Barbering and Cosmetology minimum practical operations in subjects learned. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 16-18 Lecture; 96-108 Lab; 32-36 Homework

**Prerequisites:** Admission to the Cosmetology Program by special application.

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

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**COSM 704 COSMETOLOGY INTERMEDIATE CONCEPTS**

One of two courses in the second semester of the Cosmetology sequence. Topics include advanced skin care, advanced nail care, hair removal, advanced hair color, and advanced hair cutting. Students will continue working towards California Board of Barbering and Cosmetology minimum practical operations in subjects learned. *Letter Grade Only. Degree Credit.*

**Units:** 6

**Hours/semester:** 32-36 Lecture; 192-216 Lab; 64-72 Homework

**Prerequisites:** COSM 701 and COSM 702 and COSM 703 or equivalent

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**COSM 705 COSMETOLOGY BUSINESS AND SALON EXPERIENCE**

One of two courses in the second semester of the Cosmetology sequence. Topics include business fundamentals and offering of salon services to clientele. Students will continue working towards California Board of Barbering and Cosmetology minimum practical operations in subjects learned. *Letter Grade Only. Degree Credit.*

**Units:** 9

**Hours/semester:** 48-54 Lecture; 288-324 Lab; 96-108 Homework

**Prerequisites:** COSM 701 and COSM 702 and COSM 703 or equivalent.

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**COSM 706 COSMETOLOGY ADVANCED CONCEPTS**

One of two courses in the third semester of the Cosmetology sequence. Topics include wigs and hair additions, braiding and extensions, and providing of services to salon clientele. Students will continue working towards California Board of Barbering and Cosmetology minimum practical operations in subjects learned. *Letter Grade Only. Degree Credit.*

**Units:** 6

**Hours/semester:** 32-36 Lecture; 192-216 Lab; 64-72 Homework

**Prerequisites:** COSM 704 and COSM 705 or equivalent.

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**COSM 707 COSMETOLOGY SALON AND LICENSURE PREP**

One of two courses in the third semester of the Cosmetology sequence. Topics include preparing for licensure and employment, on the job, the salon business, and state board exam preparation. Students will continue working towards California Board of Barbering and Cosmetology minimum practical operations in subjects learned. *Letter Grade Only. Degree Credit.*

**Units:** 6

**Hours/semester:** 32-36 Lecture; 192-216 Lab; 64-72 Homework

**Prerequisites:** COSM 704 and COSM 705 or equivalent.

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**COSM 717 ADVANCED MAKEUP**

Designed for students interested in make-up artistry and continuing cosmetology program students. Fundamental and advanced skills involved with becoming an entry level make-up artist including high fashion make-up skills, special event make-up, corrective make-up, editorial make-up, and career exploration. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 24-27 Lecture; 72-81 Lab; 48-54 Homework
COSM 737 ADVANCED NATURAL HAIRCARE AND BRAIDING
Designed for students that have completed or are currently enrolled in the Cosmetology program. Advancement of natural hair care skills as well as discussion of career opportunities in natural hair care. Topics covered include: history of natural hairstyling, disinfection and sanitation, hair types, basic anatomy, and natural hair and braid sculpting techniques. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 24-27 Lecture; 72-81 Lab; 48-54 Homework
Prerequisites: Acceptance by special application into the Cosmetology program and/or completion of a Cosmetology program.

COSM 747 ADVANCED SKIN CARE AND HAIR REMOVAL
Designed for current and former students of the Esthetics program and State of California licensed estheticians. Focuses on the advancement of esthetics procedures. Topics covered include: chemical and mechanical peels, electrical modalities, body waxing, and speed waxing. Also, introduces medical esthetics and explore career opportunities in that field. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 Homework
Prerequisites: COSM 775 or equivalent.

COSM 767 EYELASH ENHANCEMENTS
Designed for students enrolled or graduated from the cosmetology or esthetician program and/or licensed cosmetologists and estheticians. Introductory skills for creating semi-permanent eyelash enhancements. Will include types of eyelash extensions, eyelash perms, eyelash tinting, and techniques for application depending on current California state regulations, client services, and career exploration. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1.5
Hours/semester: 8-9 Lecture; 48-54 Lab; 16-18 Homework
Prerequisites: COSM 701 or COSM 775 or possession of a State of California Cosmetologist or Esthetician license.

COSM 775 ESTHETICIAN I
The first of a two-course sequence designed to provide students with basic knowledge and skill development in skin care techniques, make-up application, and hair removal to qualify for the Esthetician examination at the California State Board of Cosmetology. Upon successful completion of both COSM 775 and COSM 776 (a minimum of 600 hours), the student will be eligible to apply for the Esthetician examination at the California State Board of Cosmetology. Letter Grade Only. Degree Credit.

Units: 12
Hours/semester: 112-126 Lecture; 240-270 Lab; 224-252 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

COSM 776 ESTHETICIAN II
The second of two courses in which students elaborate on previously learned skills and knowledge in skin care techniques, hair removal, and makeup application. Course includes lab time where students will integrate massage and skin care on clients. Upon successful completion of COSM 775 and COSM 776 (a total of 600 hours), the student will be eligible for a Certificate of Achievement from Skyline College and will be able to apply for the Esthetician examination at the California State Board of Cosmetology for licensure. Letter Grade Only. Degree Credit.

Units: 12
Hours/semester: 112-126 Lecture; 240-270 Lab; 224-252 Homework
Prerequisites: COSM 775 or equivalent.

COSM 799 BRAIDING AND NATURAL HAIR CARE (NON-LICENSURE)
Intended for non-licensure students. Covers all aspects and types of hair braiding and natural hair care, designed to help individuals master various braiding and natural hair care techniques and skills. Students will understand the business of hair braiding and natural hair care. Students will leave this course with a holistic understanding of braiding as a practice. Letter Grade Only. Degree Credit.

Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 Homework

Counseling
See also listings under Career and Personal Development.
COUN 100 COLLEGE SUCCESS
Provides understanding of the concepts and significance of factors that contribute to college success. The course focuses on the following topics: understanding of the college/university systems; goal setting; educational planning; health maintenance; stress management; learning styles; study skills; resources, relationships and cultural diversity. Integrates personal growth; academic and career success; problem solving and critical/creative thinking. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture
AA/AS Degree Requirements: Area 9E1
Transfer Credit: CSU (CSU GE Area E1), UC

COUN 101 PREP FOR COLLEGE
An introductory overview of the higher education system and major and/or career exploration process as it relates to developing educational goals. Students will learn about Skyline College's educational programs and services, academic survival skills and awareness of personal development, as well as additional tools and information for successful navigation through Skyline College. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 or 1
Hours/semester: 8-18 Lecture; 16-36 Homework
Transfer Credit: CSU

COUN 102 STUDENT SUCCESS STRATEGIES
Designed to help students explore and understand issues that determine their academic success. Students will learn about strategies to help them succeed in college. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5
Hours/semester: 8-9 Lecture; 16-18 Homework
Transfer Credit: CSU

COUN 104 UNDERSTANDING TRANSFER
A comprehensive study of the university transfer process as it relates to community college students. Topics include an overview of higher education systems, transfer admissions requirements, college research, transfer resources, the college application process, transfer to four-year colleges and universities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Transfer Credit: CSU

COUN 640 MONEY MANAGEMENT FOR ACADEMIC SUCCESS
An introduction to the basics of personal money management principles as they relate to budgeting, savings, credit establishment, credit improvement and debt reduction. Students will gain tools to implement and practice positive financial behaviors and explore how their own personal relationship with finances directly relates to academic and career success. A focus on goal setting strategies will be emphasized and personal, academic, and financial goals will be explored. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Transfer Credit: CSU

COUN 650.1 KAPATIRAN SEMINAR - COLLEGE SUCCESS FACTORS
Designed to help students to understand and deal with their personal, social, and cross-cultural concerns and the relationship of cultural experiences and educational success. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Transfer Credit: CSU

COUN 650.2 KAPATIRAN SEMINAR - TRANSITION TO COLLEGE
Exploration of attitudes toward learning and college in the context of the Filipino American experience. Designed to facilitate the transition from high school to college while taking into account Filipino American community issues. Includes understanding of the college/university systems, college resources, and developing key student skills such as time management, self-esteem, goal setting, emotional intelligence, and relationship building. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Transfer Credit: CSU

COUN 651 PUENTE SEMINAR
Transfer seminar designed to assist students in exploring and understanding academic, career, personal, and cross-cultural topics and issues that influence their educational success. An emphasis is placed on major and career exploration as well as preparation on the transfer process.
from community college to 4-year institutions. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Transfer Credit: CSU

COUN 652 HONORS SEMINAR - APPLYING TO COMPETITIVE UNIVERSITIES
Preparation for transfer to competitive colleges and universities. Topics will include understanding the transfer process, financial aid and scholarships, completing the UC and Common Application and writing your personal statement. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5
Hours/semester: 8-9 Lecture; 16-18 Homework
Transfer Credit: CSU

COUN 655.1 HERMANOS AND HERMANAS SEMINAR - COLLEGE SUCCESS FACTORS
An overview of the concepts and significance of factors that contribute to success in education. Factors to be explored include social awareness, cultural identity, motivation leadership, and goal setting. Designed to help students explore their understanding of personal, social, and cross-cultural differences, as well as analyze the relationship between cultural experiences and educational success. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Transfer Credit: CSU

COUN 655.2 HERMANOS AND HERMANAS SEMINAR - TRANSITION TO COLLEGE
Course explores student's attitudes toward learning and college. Designed to facilitate the transition from high school to college. Focus on understanding the college/university systems, college resources, and developing key student skills such as time management, self-esteem, and goal setting. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Transfer Credit: CSU

COUN 656.1 HERMANAS SEMINAR - COLLEGE SUCCESS FACTORS
This course is designed to help students in understanding and dealing with their personal, social, professional, and cross-cultural concerns in relation to personal development. Additionally, this course will focus on the lives and experiences of Latinas in the United States and abroad. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework

COUN 656.2 HERMANAS SEMINAR - TRANSITION TO COLLEGE
This course is designed to help students in understanding and dealing with their personal, social, professional, and cross-cultural concerns in relation to personal development. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Transfer Credit: CSU

COUN 657 AUTO GUIDANCE SEMINAR - CAREER ADVANCEMENT ACADEMY
Designed to assist Career Advancement Academy Automotive students in exploring and understanding academic, career, personal, and cross-cultural topics and issues that influence their education experiences. Topics covered include college success, campus resources, resume writing and interview skills. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Transfer Credit: CSU

COUN 658 ALLIED HEALTH SEMINAR - CAREER ADVANCEMENT ACADEMY
Designed to help students explore and understand academic, career, personal, and cross-cultural topics and issues that influence their educational experiences. Topics covered include college success, campus resources, resume writing and interview skills for Allied Health Professions. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Transfer Credit: CSU
### COUN B10 MULTICULTURAL HUMAN RELATIONS

Designed to engage students in an evolving process of developing greater self and cultural awareness that will help inform how we work with communities specific to various professional settings. Examination of various intersectionalities such as ethnicity, gender, class, sexual orientation, and generational identity and the effects that the dynamics of power and privilege have on systemic oppression. Also utilizes a psychosocial perspective to explore various theoretical frameworks that strive for greater cultural competency throughout their professional development. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** Admission to the Bachelor of Science in Respiratory Care Program; and PSYC 100 or equivalent.

### Developmental Learning Skills

#### DSKL 820 COMPUTER-BASED COGNITIVE RETRAINING

Designed primarily for students recovering from an acquired brain injury/impairment such as head trauma or stroke, this course uses computer-based applications to provide cognitive retraining. Areas addressed include the application of memory, problem-solving, critical thinking, logic, and organizational skills to daily activities and functioning. No previous computer experience is required. *Pass/No Pass Only. Degree Credit.*

**Units:** 0.5  
**Hours/semester:** 24-27 Lab

#### DSKL 822 STUDY SMART SKILLS

Strategies to improve mathematics, reading, writing, study, and test-taking skills for students with learning differences. Applicable study techniques using triple strength learning: seeing, saying, and writing. Hands-on activities and group work. (Units do not count toward the Associate Degree) *Pass/No Pass Only. Units do not apply toward AA/AS degree.*

**Units:** 1  
**Hours/semester:** 16-18 Lecture; 32-36 Homework

#### DSKL 823 FUNDAMENTAL SKILLS: WRITING I

Students will learn to write grammatically correct sentences using rules of grammar and punctuation. Sentence composition, sentence patterns and sentence variety will be practiced through weekly writing assignments. Designed for students who have learning differences and also appropriate for students seeking to improve their basic writing skills. (Units do not count toward the Associate Degree.) *Pass/No Pass Only. Units do not apply toward AA/AS degree.*

**Units:** 1  
**Hours/semester:** 16-18 Lecture; 32-36 Homework

#### DSKL 824 FUNDAMENTAL SKILLS AND STRATEGIES FOR WRITING II

Incorporates and builds on concepts introduced in DSKL 823. Designed for students who have learning differences and also appropriate for students seeking to improve their basic writing skills. Students will continue learning additional rules of grammar, punctuation, and MLA formatting. (Units do not count toward the Associate Degree.) *Pass/No Pass Only. Units do not apply toward AA/AS degree.*

**Units:** 1  
**Hours/semester:** 16-18 Lecture; 32-36 Homework

#### DSKL 828 TECHNOLOGY TOOLS FOR WRITING

Designed primarily for students with disabilities; guides students through a process to assist them in determining which form of writing (i.e., pencil and paper, keyboarding, or speech recognition) best supports their written expression. Students will learn how to use a range of assistive technologies for writing, such as speech-to-text software, spelling and grammar helpers, word prediction tools, and mind mapping applications. They will also learn strategies for integrating the use of these assistive technologies into the writing process. (Units do not count toward the Associate Degree.) *Pass/No Pass Only. Units do not apply toward AA/AS degree.*

**Units:** 1  
**Hours/semester:** 16-18 Lecture; 32-36 Homework

#### DSKL 830 INTRODUCTION TO ASSISTIVE COMPUTER TECHNOLOGY

Students with disabilities who have little or no experience with PCs will learn the basic computing skills needed to use assistive computer technology. These skills include using the Microsoft Windows operating system and software applications. The course includes using Web browsers and online applications. (Units do not count toward the Associate Degree.) *Pass/No Pass Only. Units do not apply toward AA/AS degree.*

**Units:** 1
DSKL 831 TECHNOLOGY TOOLS FOR READING
Students with reading challenges will learn how to improve their reading comprehension by using text-to-speech applications and reading strategies. Students will also learn how to access free books online. (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.
Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework

DSKL 832 TECHNOLOGY TOOLS FOR NOTE TAKING
Students will learn how to use assistive computer technologies that can help them take effective notes during lectures and when conducting research. They will also learn strategies for note taking and organization. (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.
Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework

DSKL 840 SUCCESS STRATEGIES FOR MATH
Students will explore their own math self-concept and individual learning styles and how these concepts impact success in math. Emphasis on reduction of cognitive load and strategies for language expression, memory, reasoning, and processing speed as they relate to math. (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.
Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework

Digital Media and Design
See also listings under Art.

DMAD 431 DIGITAL IMAGING I: PHOTOSHOP
Focus on the creation and editing of digital images for use in art and design with Adobe Photoshop. Also listed as ART 431. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. ART 430 or equivalent.
Transfer Credit: CSU, UC

DMAD 432 DIGITAL IMAGING II: ADVANCED PHOTOSHOP
This project-based course will expand on the tools and techniques necessary to further explore the image making process using raster based software such as Adobe Photoshop. Students develop strategies for content development, visual cohesiveness, and graphic production techniques. Topics include design, layout, typography, color principles, and project preparation for print, web, and animation. Also listed as ART 432. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Prerequisites: ART 431 or DMAD 431 or equivalent.
Transfer Credit: CSU

DMAD 475 DIGITAL FILMMAKING I
Concentration on production techniques used in movies, television, documentaries, music videos, and commercials. This hands-on class includes digital camcorder (or DSLR) operation, basic composition, camera movement, and use of natural lighting. Other topics include on-location audio recording, composition aesthetics, digital video fundamentals, editing, and career options. Also listed as ART 475. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU, UC

DMAD 476 DIGITAL FILMMAKING II
This intermediate hands-on production class will cover the various film crew positions including director, cinematographer, boom operator, audio engineer, production assistant, and script supervisor. Students will gain experience in working together in a film crew to produce various digital filmmaking projects. Other topics include single camera production, multiple camera production, and artificial lighting techniques. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
DMAD 477 DIGITAL FILMMAKING III
This advanced hands-on production class will concentrate on writing, directing, and teamwork. Students will work together with actors and produce several short films in class. Other topics include basic original screenwriting, pre-production, and advanced editing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

DMAD 478 AUDIO FOR DIGITAL FILMMAKING
Audio production techniques in the digital filmmaking process. Hands-on production begins with basic audio principles and digital audio fundamentals including sound characteristics, sampling rates, bit depth, codecs, and file types. Other topics include location recording, editing, and mixing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

DMAD 500 USER EXPERIENCE DESIGN I: FUNDAMENTALS
An introduction to the fundamentals of user experience design. Concepts like usability and interaction design principles and processes will be covered. Students will learn to use today's industry standard software to create simple prototypes. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

DMAD 501 USER EXPERIENCE DESIGN II: DISCOVERY
Provides an overview of methodologies and hands on practice in the first critical phase of designing a product: Product Discovery. Includes core discovery activities such as interviewing users, crafting personae, writing scenario, concept models and more. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

DMAD 502 USER EXPERIENCE DESIGN III: IDEATION
Learn ideation techniques, and develop sketches, wireframes, and prototypes to envision solutions. Explore how to use concept testing to receive user feedback that drives research based design. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

DMAD 503 USER EXPERIENCE DESIGN IV: DELIVERY
Learn how to develop multiple visual user interface directions, map out an application's architecture, and detail out key user task flows. Wireframes, UI mock-ups, and designing for scale will be covered. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
DMAD 504 USER EXPERIENCE DESIGN V: PORTFOLIO
Create a portfolio and presentation for sharing with potential employers. Receive insights and guidance for starting and pursuing an exciting and rewarding career in User Experience Design. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 32-36 TBA; 32-36 Homework
Prerequisites: DMAD 503 or equivalent.
Transfer Credit: CSU

Drama

DRAM 200 THEORY OF ACTING I
Develop beginning level performance skills through emotional and sense memory techniques; physical exercises designed to increase body awareness, authentic expression, and control; and vocal exercises focusing on articulation, projection, and creative expression. Acquire confidence, range, and subtlety through improvisation, monologue, and scene work. Gain insight and inspiration through text-based critical analysis. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU, UC
C-ID: THTR 151

DRAM 201 ADVANCED ACTING I
Continuing development of performance skills/knowledge through methods and techniques explored in DRAM 200. Employment of more complex physical, psychological and emotionally challenging monologues and scenes involving both classical and contemporary text, and short plays. Deepening of emotional authenticity and refinement of creative expression as an ensemble player. Use of advanced text-based critical analysis for the building of ensemble work. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: DRAM 200 or equivalent.
Transfer Credit: CSU, UC
C-ID: THTR 152

DRAM 202 ADVANCED ACTING II
Exploration of the actor’s place in the context of the play including use of symbolism and historical/social concepts that shape the actor’s approach in creating truthful character-centered performances. Continued exploration of theories and techniques used in the interpretation of Drama through character analysis, monologues and scenes. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: DRAM 201 or equivalent.
Transfer Credit: CSU, UC

DRAM 208 ACTING PRACTICUM I (ACTING LABORATORY)
Supervised rehearsals of improvisations, monologue/oral readings and short scenes. Forms and styles of acting at a beginning level. Exercises in the use of mind, emotions, voice, and body in acting. Acting scenes for drama classes and others. Emphasis upon coaching by the instructor and the students preparing of scenes for performance. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 96-108 Lab
Prerequisites: Completion of, or concurrent enrollment in, DRAM 200 or equivalent.
Transfer Credit: CSU, UC

DRAM 209 ACTING PRACTICUM II (ACTING LABORATORY)
An intermediate level class, students will build upon the skills attained in DRAM 208. Supervised rehearsals of improvisations, monologues and scenes. Exercises in the use of mind, emotions, voice, and body in acting. Acting scenes for drama classes and the public. Emphasis upon coaching by the instructor and student preparation of scenes for performance. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 96-108 Lab
Prerequisites: Completion of, or concurrent enrollment in DRAM 201 or equivalent.
Transfer Credit: CSU, UC

DRAM 311 THEATRICAL SOUND/AUDIO PRODUCTION
Designed to teach the basic principles, history, and practice of Stagecraft in the discipline of Sound/Audio Production...
for the performing arts and help students acquire a
general understanding of the functional process behind
the production and development of live performances.
This course requires evening and weekend work on actual
productions. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 16-18 Lecture; 96-108 Lab; 32-36
Homework
Transfer Credit: CSU

DRAM 312 THEATRICAL LIGHTING/BASIC
ELECTRICAL THEORY

Designed to teach the basic principles, history, and practice
of Stagecraft in the discipline of Theatrical Lighting/Basic
Electrical Theory for the performing arts with emphasis
on equipment, control, color and their relationship to
design. This course will help students acquire a general
understanding of the functional process behind the
production and development of live performances. This
course requires evening and weekend work on actual
productions. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 16-18 Lecture; 96-108 Lab; 32-36
Homework
Transfer Credit: CSU
C-ID: THTR 173

DRAM 313 STAGE CARPENTRY AND RIGGING

Designed to teach the basic principles, history, and practice
of Stagecraft in the discipline of Stage Carpentry and
Rigging for the performing arts and help students acquire
a general understanding of the functional process behind
the production and development of live performances. This
course requires evening and weekend work on actual
productions. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 16-18 Lecture; 96-108 Lab; 32-36
Homework
Transfer Credit: CSU

Education/Child Development

See also listings under Education.

ECE. 191 CHILDREN’S LITERATURE

An overview of the body of world literature deemed
appropriate and enriching for children from infancy to
adolescence. The course is designed to impart knowledge
about and practice in storytelling techniques, as well as
practical experience in presenting age-appropriate literature
to children and youth. Theory and practice in discerning
literary genres, criteria for selection, and techniques for
using classic and contemporary literature with young
people. Also listed as LIT. 191. Grade Option (Letter Grade or
Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or
equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

ECE. 201 CHILD DEVELOPMENT

This course examines the major physical, psychosocial,
and cognitive/language developmental milestones for
children, both typical and atypical, from conception through
adolescence. There will be an emphasis on interactions
between maturational processes and environmental
factors. While studying developmental theory and
investigative research methodologies, students will observe
children, evaluate individual differences and analyze
characteristics of development at various stages. Also listed
as PSYC 201. Grade Option (Letter Grade or Pass/No Pass).

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or
equivalent.
AA/AS Degree Requirements: Area 9D3, 9E1
Transfer Credit: CU (CSU GE Area E1D), UC (IGETC Area 4)
C-ID: CDEV 100

ECE. 210 EARLY CHILDHOOD EDUCATION
PRINCIPLES

Catalog Description: An examination of the underlying
theoretical principles of developmentally appropriate
practices applied to programs, environments, emphasizing
the key role of relationships, constructive adult-child
interactions, and teaching strategies in supporting physical,
social, creative and intellectual development for all children.
This course includes a review of the historical roots of early
childhood programs and the evolution of the professional
practices promoting advocacy, ethics and professional
identity. Grade Option (Letter Grade or Pass/No Pass). Degree
Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or
equivalent.
ECE. 211 EARLY CHILDHOOD EDUCATION CURRICULUM
This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 8. Students will examine a teacher's role in supporting development and fostering the joy of learning for all young children using observation and assessment strategies emphasizing the essential role of play. An overview of content areas will include but not be limited to: Language and literacy, social and emotional learning, sensory learning, art and creativity, math and science. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU
C-ID: ECE 120

ECE. 212 CHILD, FAMILY & COMMUNITY
An examination of the developing child in a societal context focusing on the interrelationship of family, school and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC
C-ID: CDEV 110

ECE. 213 THE SCHOOL-AGE CHILD
The focus of this course is relevant and responsible program planning for before-and after-school child care. Also presented are the developmental needs of the child 6- to 12-years of age (middle childhood), family involvement and implications, and available community resources for systematic out-of-school care for elementary-aged children. Grade Option (Letter Grade or Pass/No Pass).

Units: 3

ECE. 223 INFANT/TODDLER DEVELOPMENT
An introduction to the development of children from birth to three years with an emphasis on social, emotional and physical milestones, early learning and brain development, atypical development, temperament, child behavior, and behavior issues related to varied impairments, and the importance of family partnerships. It covers trends in early care and education, the variances of child abilities between children and due to developmental delays and the influences of families and the environment. Grade Option (Letter Grade or Pass/No Pass).

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

ECE. 225 INFANT/TODDLER ENVIRONMENTS
An introduction to the design, maintenance and evaluation of quality infant/toddler and early intervention environments for children birth to three years of age. Emphasis is placed on the CA State Department of Education “Infant Toddler Learning and Development Program Guidelines.” Grade Option (Letter Grade or Pass/No Pass).

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

ECE. 240 ECE ADMINISTRATION I: BUSINESS/LEGAL
Overview of the business aspects of caring for children in early childhood settings and its social, political and economic implications. Included are the legal and regulatory requirements for early childhood settings, laws relating to child care and facets of business and fiscal management. Grade Option (Letter Grade or Pass/No Pass).

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ECE. 201 and ECE. 210 and ECE. 211 and ECE. 212 or equivalent.
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU

ECE. 241 ECE ADMINISTRATION II: PERSONNEL AND LEADERSHIP

Focus on the human relations components of operating an early childhood setting and the social, political and economic implications for ECE professionals and parents. Other topics include staffing, supervision, licenses and/or credentials for staff, assessment and evaluation, state and federal regulations governing employment, issues in ECE and parent involvement. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Prerequisites: ECE. 201 and ECE. 210 and ECE. 211 and ECE. 212 or equivalent.

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU

ECE. 242 ADULT SUPERVISION AND MENTORING

Study of the methods and principles of supervising student teachers, assistant teachers, parents, and volunteers in ECE education settings. Emphasis is on the role of classroom teachers who function as mentors to new teachers, while simultaneously addressing the needs of children, parents, and other staff. Although this course is open to all students, it is specifically designed for those needing to meet state licensing requirements for ECE Masters Teachers, Site Directors, and Program Directors. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

Units: 2

Hours/semester: 32-36 Lecture; 64-72 Homework

Prerequisites: ECE. 201 and ECE. 210 and ECE. 211 and ECE. 212 or equivalent.

Transfer Credit: CSU

ECE. 244 CURRICULUM AND STRATEGIES FOR PREKINDERGARTEN TO KINDERGARTEN

A review of the criteria for high quality pre-kindergarten/preschool experiences for young children. Students will examine program and curriculum guidelines that are necessary in order to support children’s emerging foundational skills and their transition to kindergarten. Topics covered include the political, economic, developmental and current issues related to kindergarten readiness and later school success. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU

ECE. 260 CHILDREN WITH SPECIAL NEEDS

A survey of the issues related to children with special needs. Special needs refer to physical, sensory, communicative and behavioral disabilities. Additional topics include a historical perspective, current laws and legislation, inclusion practices in early childhood education settings, and appropriate community resources. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent. ECE. 201 or PSYC 201 or equivalent.

Transfer Credit: CSU

ECE. 261 EARLY INTERVENTION PRACTICES

Major elements of Early Intervention programs for children birth to five years, with an emphasis on intervention strategies, classroom modifications, activity-based interventions, and differentiated instruction. Education plans (IEP/IFSP), current research, and descriptions of atypical development are included, along with best practices for children with disabilities in early childhood settings. **Grade Option (Letter Grade or Pass/No Pass).**

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. ECE. 260 or equivalent

Transfer Credit: CSU

ECE. 263 CURRICULUM AND STRATEGIES FOR CHILDREN WITH SPECIAL NEEDS

Highlights best practices in Early Childhood Special Education. Curriculum adaptations, support strategies and embedded intervention to facilitate the development of cognitive, motor, social, emotional and language skills in young children with special needs (preschool, TK, and kindergarten) are discussed. Other topics include but are not limited to positive behavior support, functional behavior analysis, task analysis, collaborative teaching, and
integrative lesson planning. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent. ECE. 260 and ECE. 201 or PSYC 201 or equivalent.

**Transfer Credit:** CSU

### ECE. 272 TEACHING IN A DIVERSE SOCIETY

Examination of the development of social identities in diverse societies including theoretical and practical implications of culture, ethnicity, stereotyping and bias 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. Course includes self-examination and reflection on issues related to social identity, stereotypes and bias. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU

**C-ID:** ECE 230

### ECE. 314 HEALTH, SAFETY, AND NUTRITION FOR YOUNG CHILDREN

Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health safety and nutrition. 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. Focus on integrating the concepts into everyday planning and program development for all children. Also listed as HSCI 314. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU

**C-ID:** ECE 220

### ECE. 331 THE ROLE OF THE TEACHER

Overview of the factors that contribute to success and satisfaction in teaching. Topics include: personal characteristics of teachers; stages of teacher development; teaching responsibilities; career opportunities; professional development; and the benefits of professional affiliations. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1

**Hours/semester:** 16-18 Lecture; 32-36 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU

### ECE. 333 OBSERVATION AND ASSESSMENT

Provides an overview of the appropriate use of assessment and observational strategies to document development, growth, play and learning when advocating for children's success with families and professionals. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored. Observation in an early childhood setting and outside on-going observations on a target child is a requirement of the course. It is a required course for the ECE Certificate and AS Degree program, and is also useful for Psychology and other Social Science majors who will be observing human behavior. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Prerequisites:** ECE. 201 or PSYC 201 or equivalent.

**Transfer Credit:** CSU

**C-ID:** ECE 200

### ECE. 335 CHILD GUIDANCE

An introduction to child behavior and adult guidance for students, teachers, parents, and caregivers. An overview of the complexity of child behavior and options for responding effectively. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU
ECE. 360 ADVOCACY IN THE EARLY CHILDHOOD FIELD
A focus on the importance of advocacy to improve the lives of children; to determine how the public and public policies affect the field of education; and to realize the need of a strong united voice to foster change. The course includes an introduction to labor organizing, and information on the path of legislation. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

ECE. 366 PRACTICUM IN EARLY CHILDHOOD EDUCATION
A demonstration of developmentally appropriate early childhood teaching competencies under guided supervision at approved sites. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, build a comprehensive understanding of children and families, acquire child centered, play-oriented approaches to teaching, learning, and assessment, and design, implement and evaluate developmentally appropriate curriculum. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 16-18 Lecture; 96-108 Field Experience; 32-36 Homework
Prerequisites: ECE. 201 and PSYC 201 and ECE. 210 and ECE. 211 and ECE. 212 and ECE. 333 or equivalent.
Transfer Credit: CSU
C-ID: ECE 210

ECE. 367 PRACTICUM IN EARLY CHILDHOOD EDUCATION: SPECIAL TOPICS
A demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Required for the ECSE certificate, meets the supervised teaching requirement for the CA State CD teaching permit, and provides student teaching experience in qualified settings that serve children from infancy through middle childhood. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

ECE. 665 SELECTED TOPICS IN EARLY CHILDHOOD EDUCATION
This course is designed to develop specific skills that are utilized in Early Childhood Education environments. The course will focus on one specific topic; for example, multicultural curriculum, techniques to foster sense of community, selecting a preschool, handling behavior problems, working with parents, etc. Grade Option (Letter Grade or Pass/No Pass).

Units: 0.5 - 2
Hours/semester: 8-36 Lecture; 16-72 Homework
Transfer Credit: CSU

ECE. 695 INDEPENDENT STUDY IN EARLY CHILDHOOD EDUCATION
Designed for students who are interested in furthering their knowledge via self-paced, individualized instruction provided in selected areas or directed study to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 3
Hours/semester: 24-162 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

Economics

ECON 100 PRINCIPLES OF MACRO ECONOMICS
ECON 102 PRINCIPLES OF MICROECONOMICS

Introduction to the functioning of markets. Theory of the determination of output and prices for markets under competitive and noncompetitive conditions. Analysis of firms' costs and revenues. Government tax and regulatory policies in response to imperfect competition and market failures. Current economic topics such as international trade and labor markets. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: MATH 110 or MATH 190 or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)
C-ID: ECON 201

Electronics Technology

ELEC 110 FUNDAMENTALS OF ELECTRONICS

Activity based introduction to the fundamentals of DC and AC electrical/electronic circuits. Course covers the basic mathematical laws, terminologies, testing and measuring of simple circuits. Laboratory exercises will emphasize the use of tools, electrical test instruments and measuring devices. Letter Grade Only.

Units: 4
Hours/semester: 48-54 Lecture; 48-54 Lab; 16-18 TBA; 80-90 Homework
Transfer Credit: CSU

ELEC 410 INTRODUCTION TO SOLAR INSTALLATION AND INTEGRATION

Prerequisite: None Recommended: Completion of ELEC 110 with a grade of "C" or better, or concurrent enrollment in ELEC 110 or equivalent. An introductory course targeted to junior-level photovoltaic installers to provide a foundation of skills necessary in solar installation. Topics include electrical theory and practice, photovoltaic theory and integration and solar installation skills. The course is a balance of theory, hands-on practice and real world examples. Also listed as ENVS 410. Grade Option (Letter Grade or Pass/No Pass).

Units: 3.5
Hours/semester: 48-54 Lecture; 24-27 Lab; 16-18 TBA; 80-90 Homework
Recommended: Completion of, or concurrent enrollment in, ELEC 110 or equivalent.
Transfer Credit: CSU

Emergency Medical Care

EMC. 400 EMERGENCY MEDICAL RESPONDER

Develops manipulative and problem solving skills necessary for the initial evaluation and stabilization of victims of emergency illness or trauma. First Responder-level training for fire service, emergency, law enforcement, civil, and industrial personnel. Upon completion, student receives an American Red Cross CPR for Healthcare Provider card and a Skyline College course completion certificate. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2.5
Hours/semester: 32-36 Lecture; 24-27 Lab; 64-72 Homework
**COURSE DESCRIPTIONS**

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU

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**EMC. 410 EMERGENCY MEDICAL TECHNICIAN**

The first phase of training in the Emergency Medical Technician Career Structure. Covers all techniques of emergency medical care presently considered within the responsibilities of the Emergency Medical Technician, as well as all operational aspects of the job the EMT will be expected to perform. Meets National Emergency Medical Services Education Standards and 2015 American Heart Association guidelines. Students must be at least 18 years old on or before the first class session, proof of age required. *Letter Grade Only. Degree Credit.*

**Units:** 8

**Hours/semester:** 96-108 Lecture; 96-108 Lab; 16-18 TBA; 176-198 Homework

**Prerequisites:** EMC. 425 or equivalent; or a valid American Heart Association or Red Cross BLS Healthcare Provider CPR card.

**Transfer Credit:** CSU

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**EMC. 415 EMT REFRESHER**

Provides 24 hours of CE -continuing education-required for Emergency Medical Technician certificate renewal. Students will receive a Continuing Education Certificate upon completion of the course. Students must attend the scheduled twenty-four hours to be eligible for the CE certificate. *Pass/No Pass Only. Degree Credit.*

**Units:** 1.5

**Hours/semester:** 24-27 Lecture; 48-54 Homework

**Prerequisites:** An EMT certificate which is valid in the State of California and which is current or which has been expired no more than twelve months.

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**EMC. 425 CPR: HEALTH CARE PROVIDER**

Qualifies students with CPR certification for health care providers. Includes instruction pertinent to adult, child and infant CPR. *Pass/No Pass Only. Degree Credit.*

**Units:** 0.5

**Hours/semester:** 8-9 Lecture; 16-18 Homework

**Transfer Credit:** CSU

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**Energy Systems Technology Management**

**ESTM 400 CLEAN ENERGY CONCEPTS, POLICIES AND INDUSTRIES**

Fundamental energy and sustainability concepts in the regional, state, and federal context including: climate change; greenhouse gas emissions calculation and management; historical, current, and emerging policies and regulations for greenhouse gas and energy generation and use, including economic impacts; alternative energy technology; industry practices and careers across energy and construction sectors. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU

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**ESTM 411 INTRODUCTION TO SOLAR PHOTOVOLTAICS (PV) SYSTEMS AND MARKETS**

Provides a foundation of knowledge and skills to understand the solar photovoltaics market and technology. Includes introduction to the global solar PV market, fundamentals of electricity and PV technology, introduction to incentive programs related to solar systems and fundamentals of the site survey process for a residential solar PV array. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 2

**Hours/semester:** 32-36 Lecture; 64-72 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. Completion of, MATH 110 or MATH 111 and MATH 112 or BUS. 115 or equivalent; and ESTM 400 or equivalent.

**Transfer Credit:** CSU

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**ESTM 412 SOLAR PHOTOVOLTAICS (PV) DESIGN FUNDAMENTALS**

Foundation of knowledge and skills to understand the site survey and to translate survey data into estimation and design of solar photovoltaics systems. Includes detailed methodology for site surveys, shade analysis, system sizing, string and inverter sizing, the use of software system design tools, graphical PV system design aids. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 2
Course Descriptions

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ESTM 413 SOLAR PHOTOVOLTAICS (PV) FINANCE AND SALES
Economics and sales methodologies for residential solar PV energy systems. Methods and analysis of financing and investment for solar PV systems, including incentive programs and utility tariffs. Customer service and presentation skills and sales best practices. Focus on student’s marketability in the renewable energy job marketplace. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2

ESTM 452 OSHA 10 CONSTRUCTION INDUSTRY TRAINING
Occupational Safety and Health Administration (OSHA) Standards, policies, and procedures in the construction industry. Topics include scope and application of the OSHA Construction Standards, construction safety and health principles, and special emphasis on those areas in construction that are most hazardous. Upon course completion students will have the ability to define construction terms found in the OSHA Construction Standards, identify hazards that occur in the construction industry, locate and determine appropriate OSHA Construction Standards, policies, and procedures, and describe the use of the OSHA Construction Standards and regulations to supplement an ongoing safety and health program. Also listed as MGMT 452. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1

ESTM 480 ENERGY SUMMER CAMP
Introduces students to topics in energy efficiency, renewable energy, and basics of business management for the built environment and sustainability. Modules include energy efficiency and solar project assessment and proposals, installation techniques, entrepreneurship, business communications, and marketing/sales strategy. Survey of careers and companies. Students will complete a social-media video and portfolio. Preparation for science, technology, and business students. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2

ESTM 482 CONSTRUCTION BASICS I
Fundamental residential construction concepts, terminology, and practices, including mathematics, ratios and scales, safety, tools, framing, materials, and hands-on construction basics. Emphasis on green and sustainable building practices and renovations. (Units do not count toward the Associate Degree.) Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.

Units: 2.5

ESTM 484 CONSTRUCTION BASICS II
A continuation of Construction Basics I with focus on “hands-on” carpentry knowledge, skills, and abilities. The course will culminate with a student-build project encompassing the content of both courses. (Units do not count toward the Associate Degree.) Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.

Units: 2.5

Engineering
ENGR 100 INTRODUCTION TO ENGINEERING
An introduction to the engineering profession and its different sub-disciplines, intended to provide a foundation for further study in engineering. The course explains the engineering education pathways and explores effective strategies for students to reach their full academic
potential. It also provides an understanding of engineering processes and tools including experimentation, data analysis, and computer and communication skills. Emphasis is given to technical communications, ethical considerations, engineering design and analysis skills applied to illustrative projects and problems drawn from various engineering fields. A spreadsheet program (Microsoft Excel) and a computer language (MATLAB or equivalent) are introduced and used in the course. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework  
**Prerequisites:** MATH 130 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** ENGR 110

### ENGR 210 ENGINEERING GRAPHICS

Introduction to graphical communication and design for engineers. The engineering design process, visualization, sketching, orthographic projection, formal engineering drawings, descriptive geometry, manufacturing processes, dimensioning and tolerancing practices. Use of Computer-Aided Design (CAD) software to support engineering design. Students complete assignments and group design projects that develop sketching, design, and 2-D and 3-D CAD skills. Assignments may require the use of CAD software outside of class hours. *Letter Grade Only. Degree Credit.*

**Units:** 4  
**Hours/semester:** 48-54 Lecture; 48-54 Lab; 96-108 Homework  
**Prerequisites:** MATH 130 or equivalent.  
**Transfer Credit:** CSU, UC

### ENGR 215 COMPUTATIONAL METHODS FOR ENGINEERS AND SCIENTISTS

Introduction to problem solving, programming, and computational methods using the MATLAB programming environment. Procedural programming, recursion, sorting, data structures, and an introduction to object-oriented programming. Plotting and data visualization, introduction to statistical analysis of data, systems of linear equations, numerical methods. Applications in engineering, mathematics, and the sciences. Assignments may require the use of MATLAB software outside of class hours. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework  
**Prerequisites:** MATH 251 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** ENGR 220

### ENGR 230 STATICS

Vector treatment of force systems acting on particles and rigid bodies; two- and three-dimensional problems; equilibrium problems involving trusses, frames, machines, distributed forces, fluid statics, internal forces and friction; centroids and moments of inertia; shear and moment diagrams for beams and virtual work. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** MATH 252 and PHYS 250 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** ENGR 230

### ENGR 240 ENGINEERING DYNAMICS

Fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include kinematics of particle motion; Newton's second law, work-energy and momentum methods; kinematics of planar and three-dimensional motions of rigid bodies; D'Alembert's principle, work-energy and momentum principles for rigid body motion; introduction to mechanical vibrations. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** ENGR 230 or equivalent.  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**Transfer Credit:** CSU  
**C-ID:** ENGR 240

### ENGR 260 CIRCUITS AND DEVICES

An introduction to the analysis of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, transformers, and switches. Natural and forced responses of first and second order RLC circuits; phasors; steady-state sinusoidal analysis; AC power calculations; power transfer; three-phase circuits; and energy concepts. Characteristics and circuit models of electronic devices including diodes and transistors. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework
Prerequisites: PHYS 260 and completion of or concurrent enrollment in, MATH 275 or equivalent.
Transfer Credit: CSU, UC
C-ID: ENGR 260

ENGR 261 CIRCUITS AND DEVICES LABORATORY
An introduction to the design, construction, and measurement of electrical circuits. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, function generators, and network and spectrum analyzers. Use of circuit simulation software. Interpretation of measured and simulated data based on principles of circuit analysis for DC, transient, and sinusoidal steady-state (AC) conditions. Practical considerations including component value tolerance and non-ideal aspects of measurement instruments. Design, measurement, and analysis of circuits with resistors, inductors, capacitors, transformers, diodes, transistors, and operational amplifiers. Letter Grade Only. Degree Credit.
Units: 1
Hours/semester: 48-54 Lab
Prerequisites: Completion of or concurrent enrollment in ENGR 260, ENGR 260 or equivalent.
Recommended: Completion of or concurrent enrollment in MATH 275
Transfer Credit: CSU
C-ID: ENGR 260L

ENGR 270 MATERIALS SCIENCE
Introduces and explores the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Laboratories provide direct observations of the structures and behaviors discussed in the course, experience with the operation of testing equipment, and the preparation of experimental reports. Letter Grade Only. Degree Credit.
Units: 4
Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework
Prerequisites: CHEM 210 and PHYS 250 or equivalent.
Transfer Credit: CSU, UC
C-ID: ENGR 140B

ENGR 291 AUTONOMOUS SYSTEMS ENGINEERING ACADEMY
Introduction to engineering disciplines and the engineering design process while exploring the societal impact of engineering technology. Involves the design, manufacture and construction of a Quadcopter drone system equipped with sensors for data collection and flight control. CAD tools, electronics, and the Arduino microcontroller system are an integral part of the course. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework
Prerequisites: MATH 130 or equivalent
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

ENGR 400 INTRODUCTION TO STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS)
Introduction to basic scientific concepts taken from biology, chemistry, computer science, engineering, mathematics and physics, the role of science as a human endeavor and the power of scientific inquiry to explore the interdependence of scientific fields through project based activities. STEM education pathways and careers will be investigated. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 Homework
Prerequisites: MATH 811 or equivalent.
Recommended: Completion of, or concurrent enrollment in, MATH 110 or equivalent.
Transfer Credit: CSU

ENGR 405 ENGINEERING MAKERSPACE SUMMER EXPERIENCE
Introduction to rapid prototyping (via engineering, design and construction) using materials accessible in a fabrication/maker space. Students will use equipment and materials to prototype a minimum viable product (MVP) while exploring strategies for entrepreneurship. (Units do not count towards an Associate's Degree) Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 Homework
ENGR 695 INDEPENDENT STUDY IN ENGINEERING

Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 or 3
Hours/semester: 24-162 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

English

Literature courses are listed under LITERATURE. Courses for non-native speakers of English are listed under ENGLISH FOR SPEAKERS OF OTHER LANGUAGES.

Students are required to take the English/Reading placement tests prior to initial placement in courses. English/Reading placement tests are given to students to assist the counselor and the division in guiding them to the appropriate English course. Proper placement in English/Reading assures that students will begin their college studies in courses where they will have the best chance of success. The tests are given on announced dates throughout the year. Students who transfer to Skyline College and have taken a college English course equivalent to ENGL 100 or ENGL 846 at another institution need not take the test.

ENGL 100 COMPOSITION

Designed to help the student recognize and critically evaluate important ideas in short and book length texts, and offers instruction in expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, research strategies, information literacy, and documentation. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ENGL 846 or ESOL 400 or eligibility for ENGL 100 or ENGL 105 on approved college placement tests and other measures as necessary.
AA/AS Degree Requirements: 3a, 3c; Area 9A2, 9A3
Transfer Credit: CSU (CSU GE Area A2, A3), UC (IGETC Area 1A)
C-ID: ENGL 100

ENGL 103 APPLIED ENGLISH SKILLS FOR CULTURAL PRODUCTION I

Designed for students who want to develop critical thinking skills in the writing of a Pilipino Cultural Night (PCN) and will
focus on writing the script for PCN. Students will research other PCNs, read and evaluate cultural literary texts related to the theme for content and composition, and work collaboratively to write a script to celebrate the Filipino and Filipino American experience. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 5b
Transfer Credit: CSU

ENGL 104 APPLIED ENGLISH SKILLS FOR CULTURAL PRODUCTION II

Designed for students who want to develop critical thinking and leadership skills while participating in various aspects of a Pilipino Cultural Night (PCN). Rehearsal times will be arranged by the instructor. All students will be required to participate in and work collaboratively for the PCN performance at the end of the semester. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 5b
Transfer Credit: CSU

ENGL 105 COMPOSITION WITH SUPPORT

Designed to help the student recognize and critically evaluate important ideas in short and book length texts, and offers instruction in expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, research strategies, information literacy, and documentation. Letter Grade Only. Degree Credit.

Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework
Prerequisites: ENGL 846 or ESOL 400 or eligibility for ENGL 100 or ENGL 105 on approved college placement tests and other measures as necessary.
AA/AS Degree Requirements: 3a, 3c; Area 9A2, 9A3
Transfer Credit: CSU (CSU GE Area A2, A3), UC (IGETC Area 1A)
C-ID: ENGL 100

ENGL 110 COMPOSITION, LITERATURE, AND CRITICAL THINKING

Introduces students to major imaginative genres of poetry, drama, and fiction from diverse cultural sources and literary critical perspectives. Students will write analytical essays, employing methods of literary analysis and research and demonstrate critical thinking skills appropriate to a college-level writing class. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ENGL 100 or ENGL 105 or equivalent.
AA/AS Degree Requirements: Area 9A2, 9A3, 9C2
Transfer Credit: CSU (CSU GE Area A2, A3; Area C2), UC (IGETC Area 1B)
C-ID: ENGL 120

ENGL 161 CREATIVE WRITING I

Introduction to the craft of writing short stories, sketches, poetry, short dramas, creative nonfiction and other literary forms for both personal enjoyment and professional training. Students will practice writing in various genres and will be introduced to the workshop method. During the Spring Semester, class members may volunteer to work on the college’s literary magazine. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for, ENGL 100 or ENGL 105 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC
C-ID: ENGL 200

ENGL 162 CREATIVE WRITING II

Continued study on the craft of writing short stories, sketches, poetry, short dramas, creative nonfiction and other literary forms for both personal enjoyment and professional training. Students will practice writing in various genres and will be introduced to the workshop method. During the Spring Semester, class members may volunteer to work on the college’s literary magazine. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ENGL 161 or equivalent.
Transfer Credit: CSU, UC
ENGL 165 COMPOSITION, ARGUMENT AND CRITICAL THINKING

Through investigative learning in conjunction with nonfiction prose, students will explore multiple points of view of controversial issues, using critical thinking, reading and writing skills, research strategies, information literacy and proper documentation to discuss and manipulate ideas in a progression of argumentative essays more advanced than English 100/105. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ENGL 100 or ENGL 105 or equivalent.

AA/AS Degree Requirements: Area 9A3
Transfer Credit: CSU (CSU GE Area A3), UC (IGETC Area 1B)
C-ID: ENGL 105

ENGL 650 ENGLISH SUPPLEMENT FOR TRIO STUDENTS

Individual instruction in reading and writing skills for TRIO students based on TRIO English instructor’s/ coordinator’s assessment of each student’s reading and writing skills. Students are assigned a personal tutor/mentor in The Learning Center. (Open entry.) (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.

Units: 0.5 - 3
Hours/semester: 24-162 Lab

ENGL 695 INDEPENDENT STUDY IN ENGLISH

Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used – laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 3
Hours/semester: 24-162 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

ENGL 819 ENGLISH DEVELOPMENT

Jump Start is a six-week summer program designed to help emerging high school students upgrade their reading and writing skills. Practice and instruction focuses on reading high school and college level texts and writing in-class and out of class text-based essays. Topics include thesis construction, organization, development, and sentence skills. (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework

ENGL 846 READING & WRITING CONNECTIONS

Introduces students to college-level reading and writing, covering thesis construction, organization, development, sentence skills, text-based writing, and effective reading strategies to improve comprehension, analysis and vocabulary. ENGL 846 prepares students for ENGL 100. Units do not count toward the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.

Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework

English for Speakers of Other Languages

ESOL courses 810, 820, 830 and 840 are now offered in a three-course format at each level, for both day and evening classes. Students placing at the ESOL 810 level should enroll in ESOL 851, 861 and 871. Students placing at the ESOL 820 level should enroll in ESOL 852, 862 and 872. Students placing at the ESOL 830 and 840 levels may enroll in either the 9-unit daily format of those courses or the three-course format for each, as follows: ESOL 830 students may alternatively enroll in 853, 863 and 873. ESOL 840 students may alternatively enroll in 854, 864 and 874.
ESOL 400 ENGLISH COMPOSITION FOR NONNATIVE SPEAKERS

For advanced non-native speakers of English who have completed ESOL 840, or equivalent. Emphasis on composing coherent, logical, expository essays based on thorough analysis of complex pieces of writing, both fiction and non-fiction, and utilizing advanced English language structure and vocabulary. Successful completion qualifies students for entrance into ENGL 100/105. Letter Grade Only. Degree Credit.

Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework
Prerequisites: ESOL 840 or appropriate skill level as indicated by ESL placement test and other measures as necessary.
Recommended: ESOL 854 and ESOL 875 or equivalent.
Transfer Credit: CSU, UC

ESOL 820 ENGLISH FOR SPEAKERS OF OTHER LANGUAGES II

For pre-intermediate English learners who have acquired conversational fluency and basic reading and writing skills. Emphasis is on critical reading, vocabulary acquisition, pre-intermediate grammar, sentence combining, and paragraph writing. (Units do not count toward the Associate Degree.) Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.

Units: 6
Hours/semester: 96-108 Lecture; 192-216 Homework
Recommended: ESOL 820 or equivalent.

ESOL 840 ENGLISH FOR SPEAKERS OF OTHER LANGUAGES IV

Offers practice in writing organized and well-developed paragraphs and essays to develop composition skills. Students will build reading skills with a focus on critical thinking. Emphasis on high-intermediate grammar structures and editing within the context of the student’s own work. (Units do not count toward the Associate Degree.) Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.

Units: 6
Hours/semester: 96-108 Lecture; 192-216 Homework
Recommended: ESOL 830 or equivalent.

ESOL 852 PRE-INTERMEDIATE ESL LISTENING & SPEAKING

Development of listening comprehension and oral proficiency of standard spoken English at the pre-intermediate level. Listening focuses on comprehension of modified spoken English, vocabulary in context, and ideas in monologues and discussions. Speaking focuses on clear pronunciation of common words and phrases, continued development of fluency in conversation, and proficiency in initiating, sustaining, and ending oral communication in a variety of contexts. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.

Units: 4
Hours/semester: 64-72 Lecture; 128-144 Homework
Recommended: Appropriate skill level as indicated by ESL placement test and other measures as necessary.
ESOL 853 INTERMEDIATE ESL LISTENING & SPEAKING
Development of listening comprehension and oral proficiency of standard spoken English at the intermediate level. Listening focuses on note-taking and aural comprehension of standard spoken English using information from media, discussion, and academic contexts. Speaking focuses on English fluency, proficiency, and strategies for academic discussion and personal interaction. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.
Units: 4
Hours/semester: 64-72 Lecture; 128-144 Homework
Recommended: ESOL 852 or equivalent.

ESOL 854 HIGH-INTERMEDIATE ESL LISTENING & SPEAKING
Development of listening comprehension and oral proficiency of standard spoken English at the high-intermediate level. Listening focuses on note-taking and aural comprehension of standard spoken English in academic situations, media, and discussion. Speaking focuses on development of professional and academic discourse, conveying of complex ideas, and active participation in discussion. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.
Units: 4
Hours/semester: 64-72 Lecture; 128-144 Homework
Recommended: ESOL 853 or equivalent.

ESOL 872 PRE-INTERMEDIATE ESL GRAMMAR
Development of sentence variety and grammatical and mechanical accuracy of standard spoken and written English at the pre-intermediate level. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Appropriate skill level as indicated by ESL placement test and other measures as necessary.

ESOL 873 INTERMEDIATE ESL GRAMMAR
Development of sentence variety and grammatical and mechanical accuracy of standard spoken and written English at the intermediate level. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.
Units: 3

ESOL 874 HIGH-INTERMEDIATE ESL GRAMMAR
Development of sentence variety and grammatical and mechanical accuracy of standard spoken and written English at the high-intermediate level. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: ESOL 830 or ESOL 873 or equivalent.

Environmental Science and Technology

ENVS 100 INTRODUCTION TO ENVIRONMENTAL SCIENCE
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B2
ENVS 101 ENVIRONMENTAL SCIENCE LABORATORY
Applied exercises that introduce the interdisciplinary aspects of environmental and natural resource issues and their impact on humans as well as how humans impact the natural environment. Exploration of causes of environmental issues in a natural sciences, social sciences, business and engineering context. Study of sustainability and potential solutions to environmental problems. Field trips are required. Letter Grade Only. Degree Credit.
Units: 1
Hours/semester: 48-54 Lab
Prerequisites: Completion of or concurrent enrollment in, ENVS 100
AA/AS Degree Requirements: Area 9B2
Transfer Credit: CSU (CSU GE Area B3), UC (IGETC Area 5C)

ENVS 191 ENVIRONMENTAL LEADERSHIP SEMINAR I
An interdisciplinary, project-based, and student-centered course that aims to challenge students to think critically and creatively about global and local environmental issues. The course serves to provide environmental leadership skills through real world environmental issues. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 Homework
Transfer Credit: CSU

ENVS 192 ENVIRONMENTAL LEADERSHIP SEMINAR II
Centers on challenging, action-based projects based on both global and local environmental issues, requiring students to think critically and creatively in order to tackle large, systemic, and ongoing problems and achieve measurable results in their chosen project. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 Homework
Prerequisites: ENVS 191 or equivalent.
Transfer Credit: CSU

ENVS 193 ENVIRONMENTAL LEADERSHIP SEMINAR III
Interdisciplinary and project-based class that engages students in developing the specific skills needed for innovation and creation in sustainable design, engineering and enterprise implementation. Students identify critical environmental challenges, design opportunities to address them and develop business plans to share with the community. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Prerequisites: ENVS 192 or equivalent.
Transfer Credit: CSU

ENVS 400 ENVIRONMENTAL LITERACY FOR CAREER TECHNICAL PROGRAMS
A basic overview of general energy and sustainable concepts, climate change, carbon calculation and management, current and pending regulations for carbon, alternative energy technology, energy efficiency practices, and the emerging green economy for career technical programs. Grade Option (Letter Grade or Pass/No Pass).
Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

ENVS 410 INTRODUCTION TO SOLAR INSTALLATION AND INTEGRATION
Recommended: Completion of ELEC 110 with a grade of “C” or better, or concurrent enrollment in ELEC 110 or equivalent. An introductory course targeted to junior-level photovoltaic installers to provide a foundation of skills necessary in solar installation. Topics include electrical theory and practice, photovoltaic theory and integration and solar installation skills. The course is a balance of theory, hands-on practice and real world examples. Also listed as ELEC 410. Grade Option (Letter Grade or Pass/No Pass).
Units: 3.5
Hours/semester: 48-54 Lecture; 24-27 Lab; 16-18 TBA; 80-90 Homework
Recommended: ELEC 110 better, or concurrent enrollment in ELEC 110 or equivalent. or
Transfer Credit: CSU
ENVS 425 BUILDING PERFORMANCE, ASSESSMENT, AND SALES
Provides a foundation to conduct home energy audits and sell home energy upgrade products and services. Topics include fundamental building science concepts, best practices for auditing and data analysis, BPI standards and the Title 24 energy code. The class prepares students for Building Performance Institute certification exam. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 4
Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework
Recommended: Completion of MATH 110, or MATH 111 and MATH 112, with a grade of C or better, or equivalent. Eligibility for ENGL 846 or ESOL 400, or equivalent. ENVS 680SF or equivalent.
Transfer Credit: CSU

ENVS 491 CLIMATE PROTECTION PROFESSIONAL I
Foundation for emerging leaders working in climate change mitigation and adaptation fields. Overview of climate change science (the greenhouse effect, emissions factors, and sources), current climate protection policies in California, including emerging regulations, and analytic tools, including mitigation and adaptation inventories and action plans. Includes professional training in project management, workplace effectiveness, communication, and fundraising. Also listed as ESTM 491. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ENVS 100 or ESTM 400 or equivalent.
Transfer Credit: CSU

ENVS 492 CLIMATE PROTECTION PROFESSIONAL II
Expansion on fundamentals of climate change concepts: science and expected impacts; mitigation and adaptation strategies; metrics for analyzing current impacts, forecasts and results from solution scenarios. Expansion of project management practices, career pathways, leadership, and career development skills, within the context of client site projects in preparation for final report and/or presentation. Also listed as ESTM 492. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ENVS 491 or ESTM 491 or equivalent.
Transfer Credit: CSU

ENVS 665 SELECTED TOPICS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY
Short course for development of knowledge, skills, and abilities in environmental technology--energy efficiency, solar, and business development. Special topics could include public policies, business tactics, currents in new technology, market trends in clean energy, software skills, energy modeling, and field training. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.

Units: 0.5 - 2
Hours/semester: 8-32 Lecture; 24-96 Lab; 16-64 Homework
Recommended: Eligibility for MATH 110 and eligibility for, ENGL 846 and eligibility for, ESOL 400
Transfer Credit: CSU

ENVS 670 VOCATIONAL COOPERATIVE EDUCATION IN ENVIRONMENTAL SCIENCE & TECHNOLOGY
Students may receive credit for work experience related to their major field or to their established career goal. Seminars and individual conferences are scheduled at convenient times during the semester for the instructor and the student to establish learning objectives related to the student's employment. Students are given appropriate assignments related to the stated objectives and graded in accordance with the college's established grading system. As an alternative, related instruction classes meeting one hour per week, usually in the evening, are available for those students who prefer or need a more structured learning process. One unit of credit for each 75 hours worked per semester, with a maximum of four units per semester, may be earned by students with jobs related to their academic or occupational majors or goals. May be repeated for credit up to 16 units. This limitation applies to Occupational Cooperative Education work experience courses offered within the SMCCCD. Pass/No Pass Only.

Units: 2
Hours/semester: 150-300 Work Experience
Prerequisites: Permission of the Cooperative Education Office, concurrent enrollment in a planned vocational program, and employment in a college-approved job directly related to the student's academic major.
Transfer Credit: CSU
ENVS 695 INDEPENDENT STUDY IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY

Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 3
Hours/semester: 24-162 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

FILI 110 ELEMENTARY FILIPINO

Beginner's course in Filipino grammar, composition, and reading. Practice in speaking and understanding Filipino. Introduction to the history, grammar, sentence structure, idioms, and cultural aspects naturally intertwined with the language; introduction to honorifics, formal second person singular form, respect particles, and everyday greetings and formulas indicating politeness and respect for the persons addressed. This class is conducted primarily in Filipino. Letter Grade Only. Degree Credit.

Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

FILI 111 ELEMENTARY FILIPINO I

Filipino 111 is the first course in a basic two-course sequence for native and non-native students. The course covers approximately the same material studied in the first half of Filipino 110. Students will acquire a basic ability to speak, read and write in Filipino at the elementary level and will learn about the customs, culture and history of the Filipino world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

FILI 112 ELEMENTARY FILIPINO II

Three lecture hours plus one lab hour per week. Prerequisite: FILI 111 or equivalent. Filipino 112 is the second course in a basic two-course sequence for native and non-native students. The course covers approximately the same material studied in the second half of Filipino 110. Students will acquire a basic ability to speak, read and write in Filipino at the elementary level and will learn about the customs, culture and history of the Filipino world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: FILI 111 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

FILI 120 ADVANCED ELEMENTARY FILIPINO

Five lecture hours and one lab hour per week by arrangement. Prerequisite: FILI 110 or FILI 112, or equivalent. A continuation of FILI 110 or FILI 112, for students who can use Filipino to communicate about the “here and now” and relate a simple story in the past. Students practice and develop further communicative competence in written and spoken Filipino for use in a variety of social contexts and settings. Readings are used as the basis of classroom discussions. Cultural aspects of the Filipino-speaking-world are emphasized. The course is conducted primarily in Filipino. Letter Grade Only.

Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework
Prerequisites: FILI 110 or FILI 112 or equivalent.
AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 6A)
COURSE DESCRIPTIONS

Film

FILM 440 FILM STUDY AND APPRECIATION
A critical look at film history and culture from silent and classical Hollywood to Japanese and European films. Students learn to critique classical, modern and avant-garde films and to analyze the structure of cinematic language, i.e. motifs, metaphors, narrative cause-effect devices and oppositions. Students develop a visual and ideological understanding of film. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: ENGL 100 or ENGL 105 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area B3), UC (IGETC Area 5C)
C-ID: GEOG 111

Geography

GEOG 100 PHYSICAL GEOGRAPHY
An overview of the Earth's physical environment and natural systems. The different natural processes that create the distribution of lifeforms, climate patterns, temperatures, and landforms on our planet. Includes studying the Earth-Sun relationship, global temperatures and circulation, water and humidity, ecosystems, plate tectonics, and other processes that shape landforms on the surface of the Earth. Also includes how humans are affecting these systems, and some of the tools geographers use to understand these relationships (like maps, and geospatial technologies). Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B1), UC (IGETC Area 5C)
C-ID: GEOG 130

GEOG 110 CULTURAL GEOGRAPHY
A survey of major world cultural patterns, resources, population, and the changing relationships of people and the physical environment. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)
C-ID: GEOG 120

GEOG 150 WORLD REGIONAL GEOGRAPHY
A basic survey of geographic regions of the world. The location of physical and cultural regions such as mountain ranges, climatic regions, population centers, urban-economic concentrations, and political divisions. There will be an emphasis on historical influences and future trends
in the changing world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 9D1

**Transfer Credit:** CSU (CSU GE Area D), UC (IGETC Area 4)

**C-ID:** GEOG 125

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**GEOG 300 GEOGRAPHIC INFORMATION SCIENCE**

An introduction to the rapidly expanding field of Geographic Information Systems (GIS) and the broader discipline of Geographic Information Science. Includes both theory and software training, and provides a framework to understand how spatial data is gathered, integrated, interpreted, manipulated and analyzed. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent. Skill in using the Windows operating system and the internet, such as found in BCM. 104 and BCM. 400, or equivalent

**Transfer Credit:** CSU, UC

**C-ID:** GEOG 150

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**Geology**

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**GEOL 100 SURVEY OF GEOLOGY**

An introduction to the principles of geology with emphasis on Earth processes. Course includes the study of rocks and minerals, plate tectonics, volcanoes, earthquakes, and surface processes such as landslides, rivers, and glaciers. Not open to students who have taken or are taking Geology 210. Letter Grade Only. Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 9B1

**Transfer Credit:** CSU (CSU GE Area B1), UC (IGETC Area 5A)

**C-ID:** GEOL 100

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**GEOL 105 ENVIRONMENTAL EARTH SCIENCE**

An introduction to the fundamentals of Environmental Earth Science including the interactions between humans and the environment in a geologic context. Course emphasizes the Earth system and connections between the geosphere, biosphere, atmosphere, and hydrosphere. Letter Grade Only. Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 9B1

**Transfer Credit:** CSU (CSU GE Area B1), UC (IGETC Area 5A)

**C-ID:** GEOL 130

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**GEOL 106 WEATHER AND CLIMATE**

Introduction to the study of Earth’s atmosphere as a system, with an emphasis on the physical processes that change our atmosphere in the short term and throughout Earth’s history. Topics include: atmospheric structure and composition, energy balances, seasonal changes, atmospheric moisture, storm systems, climate and climate change. Also listed as GEOG 106. Letter Grade Only. Degree Credit.

**Units:** 4

**Hours/semester:** 48-54 Lecture; 48-54 Lab; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 9B1

**Transfer Credit:** CSU (CSU GE Area B1, B3), UC (IGETC Area 5A, 5C)

**C-ID:** GEOL 130

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**GEOL 210 GENERAL GEOLOGY**

An introduction to the principles of geology with emphasis on Earth processes, focusing on the internal structure and origin of the Earth and the processes that change and shape it. The laboratory component focuses on the identification of rocks and minerals, topographic and geologic map exercises and the identification of geologic landforms and hazards. Letter Grade Only. Degree Credit.

**Units:** 4

**Hours/semester:** 48-54 Lecture; 48-54 Lab; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A)
C-ID: GEOL 101

**GEOL 220 HISTORICAL GEOLOGY**

Origin and history of the Earth and its development through geologic time. The formation of continents and ocean basins and their modifications through time. The evolution of plants and animals as seen through the fossil record. Emphasis on the geologic history of North America. Letter Grade Only. Degree Credit.

Units: 4
Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A)
C-ID: GEOL 111

**GEOL 695 INDEPENDENT STUDY IN GEOLOGY**

Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 3
Hours/semester: 24-162 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

**Health Science**

**HSCI 100 GENERAL HEALTH SCIENCE**

A broad and comprehensive survey of factors that influence individual and community health. Examines the interaction between personal health choices & behaviors, social determinants of health and environmental influences in community and personal health. Topics include chronic diseases, health disparities, mental health, drugs & addiction, stress management, sexual health, nutrition, exercise, healthcare systems & services, alternative medicine, grief & loss, and environmental health. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

AA/AS Degree Requirements: Area 9E1
Transfer Credit: CSU (CSU GE Area E1), UC
C-ID: PHS 100

**HSCI 130 HUMAN SEXUALITY**

Students explore and expand their understanding about the biological, interpersonal and sociocultural dimensions of sex and sexuality. Topics include: anatomy and physiology; psychosexual development; attraction, dating & relationships; gender expression; sexual orientations; pregnancy, childbirth & parenting; contraceptive methods; sexually transmitted infections; pleasure, arousal & sexual behavior; sexual violence & exploitation; commercial sex work; myths & misconceptions; and communication skills. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

AA/AS Degree Requirements: Area 9E1
Transfer Credit: CSU (CSU GE Area E1), UC
C-ID: PSY 130

**HSCI 135 INTRODUCTION TO PUBLIC HEALTH**

Provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts, movements, accomplishments and functions of public health. Topics include the epidemiology of infectious and chronic disease; prevention and control of diseases; social determinants of health; health equity and disparities; community organizing and health promotion; environmental health and safety; global health; and healthcare policy and management. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU, UC
C-ID: PHS 101
HSCI 180 GATEWAY TO HEALTH CAREERS
Introduction of skills, attributes and basic knowledge required for entry into various health care professions. Includes basic assessment, CPR, and math calculations used in health care. Emphasis on providing a foundation for future health career classes. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

HSCI 314 HEALTH, SAFETY AND NUTRITION FOR YOUNG CHILDREN
Introduction to the laws, regulations, standards, policies, procedures and early childhood education curriculum related to child health safety and nutrition. 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. Focus on integrating the concepts into everyday planning and program development for all children. Also listed as ECE 314. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

HSCI 484 MEDICAL TERMINOLOGY
Designed to give students a basic background in medical terminology as used by medical transcriptionists, court reporters, law related occupations, and allied health occupations. The prefixes, roots, and suffixes of commonly used medical words are presented. Proper names of anatomical structures and their relationship to each other are covered by body system. Also listed as MEDA 484. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

History

HIST 100 HISTORY OF WESTERN CIVILIZATION I
The cultural, political, and economic survey of Western history from the beginnings in the Near East to the Renaissance. Emphasis on the intellectual, artistic, and institutional foundations of Western Civilization. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 4F)
C-ID: HIST 170

HIST 101 HISTORY OF WESTERN CIVILIZATION II
Western civilization from 1660 to the present, with particular emphasis on European cultural, social, and political development in the 19th and 20th centuries. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 4F)
C-ID: HIST 180

HIST 104 WORLD CIVILIZATIONS I
A global and historical survey of civilizations from ancient times to 1500. Emphasis on the origins and development of diverse cultures, political systems, major religions, noted empires, artistic/intellectual achievements and technological breakthroughs. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C1
Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4C)
C-ID: HIST 150
HIST 106 WORLD CIVILIZATIONS II
A global and historical survey of world civilizations from 1500 to the present. Emphasis on the origins of global interdependence, revolutions and nationalist movements, the global economy, cultural and religious issues, technological advancements, and current social issues. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C2
Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4C)
C-ID: HIST 160

HIST 108 SURVEY OF AMERICAN HISTORY
Explores major social, political, and cultural developments in the history of the United States. Examines selected events, personalities and trends from the colonial period to the present. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 6a; Area 9C2, 9D3; Area DUS1, DUS2
Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4)
C-ID: HIST 130

HIST 109 EUROPE SINCE 1945
History of Europe from the end of WWII through the present. A comparison of the political, social, economic and cultural elements. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 4)

HIST 201 UNITED STATES HISTORY I
U.S. History to the mid-19th century, emphasizing the development of U.S. political, social, economic and cultural foundations. Partially satisfies the American History and Institutions requirement. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 6a; Area 9D1, 9D3; Area DUS1, DUS2
Transfer Credit: CSU (CSU GE Area D, D US-1, D US-2), UC (IGETC Area 3B; Area 4)
C-ID: HIST 130

HIST 202 UNITED STATES HISTORY II
U.S. History from Reconstruction (1877) to the present. Topics include the political, economic, and social development of the U.S., the contributions of ethnic and racial groups, the issue of immigration, and U.S. role in the world community. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 6a; Area 9D1; Area DUS1, DUS2
Transfer Credit: CSU (CSU GE Area D, D US-1, D US-2), UC (IGETC Area 3B, 4; Area 4G)
C-ID: HIST 140

HIST 203 THE UNITED STATES SINCE 1945
History of the United States from 1945 to the present. Course focuses on the principal political, social, economic, and cultural challenges and achievements in American life. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2, 9D1
Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4G)
HIST 235 HISTORY OF ETHNIC GROUPS IN THE UNITED STATES
A survey of the social, economic and political history of ethnic groups in the United States, with particular emphasis on minority communities. In addition to examining the histories of individual ethnic communities, the class will explore the historical relationships between different groups. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: ENGL 100 or ENGL 105 or equivalent
AA/AS Degree Requirements: Area 5a; Area 6a; Area 9D1; Area DUS1, DUS2
Transfer Credit: CSU (CSU GE Area D US-1, D US-2), UC (IGETC Area 3B; Area 4)

HIST 240 HISTORY OF ETHNIC GROUPS IN CALIFORNIA
A survey of the social, economic, and political history of ethnic groups in California. In addition to examining the histories of individual ethnic communities, the class will explore the historical relationships between different groups. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5a; Area 6b1; Area 9D3
Transfer Credit: CSU (CSU GE Area D, D US-3), UC (IGETC Area 3B; Area 4)

HIST 244 AFRICAN AMERICAN HISTORY
A history of the African-American community, beginning with an introduction to West African society and continuing through colonial times to the present. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 6a; Area 9C2, 9D1; Area DUS1, DUS2
Transfer Credit: CSU (CSU GE Area C2; Area D, D US-1, D US-2), UC (IGETC Area 3B; Area 4)

HIST 248 WOMEN AND THE AMERICAN EXPERIENCE
The history of women in the United States from the colonial era to the present. Topics include ways in which women have lived, worked and contributed to the social, cultural, political and economic development of the U.S. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D3
Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4G)

HIST 310 CALIFORNIA HISTORY
A historical survey of the social, economic, political, and cultural development of California from the Indian and Spanish period to the present. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 6b1; Area 9D1; Area DUS3
Transfer Credit: CSU (CSU GE Area D, D US-3), UC (IGETC Area 3B; Area 4)

HIST 335 HISTORY AND POLITICS OF THE MIDDLE EAST
Examination of the historical, political, economic and social issues of the Middle East, including the Israeli-Palestinian Conflict and U.S. foreign policy in the area. Also listed as PLSC 335. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: ENGL 100, ENGL 105 or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C2, 9D3
Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4)

HIST 410 THE HOLOCAUST
A study of the history and events of the Holocaust, including the birth of Antisemitism, the rise of Adolph Hitler and the Nazi Party, WWII, the Final Solution, the Nuremberg Trials
COURSE DESCRIPTIONS and aftermath. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 9C2

Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

HIST 435 HISTORY OF THE PHILIPPINES
A historical and cultural survey of the Philippines from the origins to the present. Emphasis will be on a critical evaluation of the main social, political, economic, cultural, intellectual and historical trends which have shaped the Philippines. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: ENGL 100 or ENGL 105 or equivalent

AA/AS Degree Requirements: Area 5b; Area 9C2, 9D3

Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4G)

HIST 436 FILIPINOS IN AMERICA
A historical and cultural survey of Filipinos in America from early settlements in Louisiana, Hawaii and the West Coast to the present. Emphasis will be on a critical evaluation of the main social, political, economic, cultural, intellectual and historical trends that shaped the various Filipino communities in the United States. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent

AA/AS Degree Requirements: Area 5b; Area 9D1

Transfer Credit: CSU

Hospitality and Tourism Management

HTM. 101 INTRODUCTION TO HOSPITALITY AND TOURISM MANAGEMENT
An exploration of career options and operations in the field of hospitality and tourism management. An overview of the trends and developments in hospitality, international tourism, global travel, and foodservice establishments, with a focus on customer service, cultural/economic trends, and the various career opportunities that exist. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

Transfer Credit: CSU

HTM. 108 TECHNOLOGY ESSENTIALS IN HOSPITALITY
Understand technology systems used in hospitality and tourism businesses. A focus on emerging use of smart technologies, including iPads in the guest rooms, Web 2.0, and new hotel and restaurant information systems. Hands-on learning opportunities with the use of “Delphi” simulations, a software technology most often used in sales, catering and convention services departments. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

Transfer Credit: CSU

HTM. 120 SANITATION PRACTICES IN THE HOSPITALITY INDUSTRY
Sanitation practices as they affect the individual and hospitality operations. Students will use materials from the Educational Foundation of the National Restaurant Association to complete the ServSafe Certification. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

Transfer Credit: CSU

HTM. 124 EXCELLENCE IN GUEST SERVICE
In this short course students will prepare to take the Certified Guest Service Professional (GSP) exam awarded through the American Hotel and Lodging Association. This course focuses on quality customer service: what it is and how to deliver it, in a hospitality business, benefits of high quality customer service, skills to engage the guest, effective strategies for handling dissatisfied customers and service recovery techniques. Letter Grade Only. Degree Credit.

Units: 0.5
**COURSE DESCRIPTIONS**

**HTM. 125 RESTAURANT AND BANQUET OPERATIONS**
Preparation for entry-level positions in restaurant and hospitality banquet operations. Course covers front of the house service for all types of food service operations, such as Banquet Server and Restaurant Server. The course includes preparation to take the ServSafe Responsible Alcohol Certification and the Food Handler Certification Exam. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 1

**Hours/semester:** 16-18 Lecture; 32-36 Homework

*Transfer Credit: CSU*

**HTM. 130 FOOD & BEVERAGE / RESTAURANT MANAGEMENT**
Techniques and procedures of management are explored and developed as they relate to commercial and institutional food and beverage facilities. Topics include: functions of management, marketing, menu development, effective cost control in purchasing, pricing, labor and service techniques. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

*Transfer Credit: CSU*

**HTM. 140 INTRODUCTION TO MEETING, EVENT AND CONFERENCE MANAGEMENT**
An introduction to a specialized area of study in hospitality and tourism, focusing on meetings, conference and event planning. The fundamental elements and best practices for planning, producing, and evaluating successful meetings, conventions, and conferences. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

*Transfer Credit: CSU*

**HTM. 164 LEGAL ASPECTS OF HOSPITALITY AND TOURISM**
Gain a working knowledge of laws and regulations applicable to the hospitality and tourism industry. This course examines government regulation of the hospitality industry along with rights, obligations and liabilities of hospitality businesses. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 8-36 Lecture; 16-72 Homework

*Transfer Credit: CSU*

**HTM. 230 HOTEL AND RESORT MANAGEMENT**
An introduction to the operational systems/departments and components of a hotel-resort facility, which includes: front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human resources management and information systems. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

*Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.*

*Transfer Credit: CSU*

**HTM. 231 FOOD, BEVERAGE, AND LABOR COST CONTROLS**
Gain the necessary knowledge and skills required to manage and make intelligent business decisions within a food and beverage operation or department; with a focus on: standards determination; variable, semi-variable and fixed costs; the operating budget; income and cost control and menu pricing. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

*Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.*

*Transfer Credit: CSU*

**HTM. 665 SELECTED TOPICS IN HOSPITALITY AND TOURISM**
Designed to offer students specialized training in unique/specialized hospitality and tourism topics. Students will gain valuable knowledge pertaining to this ever-changing industry along with an array of emerging skill development opportunities. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 2

**Hours/semester:** 8-36 Lecture; 16-72 Homework

*Transfer Credit: CSU*
HTM. 672 HOSPITALITY AND TOURISM INTERNSHIP
Practical and "hands-on" learning experience in hotel/lodging, foodservice and hospitality & tourism business. Individually designed for students to acquire "real world" learning opportunities and gain additional knowledge in the hospitality and tourism industry. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 225 Work Experience
Prerequisites: HTM. 101 and HTM. 108 and HTM. 120 and HTM. 164 and HTM. 230 and HTM. 231 or equivalent.
Transfer Credit: CSU

International Business
See also listings under Business.

IBUS 100 GLOBAL TRADE AND LOGISTICS I
Covers concepts that are important to managers who are actively exporting or importing goods or are otherwise involved in international trade operations. All relevant issues are thoroughly explored, including documentation, terms of payment, terms of trade (Incoterms), exchange rate exposure, international insurance, customs clearance, agency and distributorship sales contracts, packaging, transportation, and security issues. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

IBUS 101 GLOBAL TRADE AND LOGISTICS II
Covers the concepts of drivers in the industry sectors of cost, competition, market and technology. These drivers are important to managers who are actively exporting or importing goods or are otherwise involved in international trade operations. All relevant issues are thoroughly explored, including documentation, terms of payment, terms of trade (Incoterms), exchange rate exposure, international insurance, customs clearance, agency and distributorship sales contracts, packaging, transportation, and security issues. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

IBUS 102 CUSTOMS BROKERAGE AND PROCEDURES I
An introduction to international purchase-sale agreement negotiations, use of Incoterms, foreign exchange and collections, an introduction to international supply chains and cargo transportation, and cargo risk management. The course will include: Foreign custom laws, industry standards, leases, consignments, marine air and casualty insurance, and methods of transportation. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

IBUS 103 CUSTOMS BROKERAGE AND PROCEDURES II
An overview of U.S. Customs Regulations, rules, procedures, and the risks and responsibilities of importing goods into the United States. Topics covered include: Foreign Trade Zones, Free Trade Agreements, Special Entry Procedures, Transportation Entries, Duty Free and Reduced Duty programs, record keeping requirements. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

IBUS 104 PRINCIPLES OF CUSTOMS COMPLIANCE
An introduction to customs brokerage. Students will study The Code of Federal Regulations Title 19 which contains the codified Federal laws and regulations governing the customs duties. The course will also provide an overview of business concepts and procedures involved in importing merchandise into the United States. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU
IBUS 113 INTRODUCTION TO SUPPLY CHAIN MANAGEMENT
Introduction to Supply Chain Management: Tools and techniques for design and improvement of supply chain management; optimal use of information, materials, and technology to improve efficiency and reduce costs; integration of outside suppliers and customers into an organization's supply chain. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

IBUS 115 COMPUTERIZED LOGISTICS
Introduction to available software programs used in the logistics sector. Students will learn about areas of supply chain management, manufacturing, planning and control, and logistics industry. Course content will introduce industry practices and standards using software applications for enterprise resource planning, demand planning, and warehouse management. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

IBUS 200 INTRODUCTION TO INTERNATIONAL BUSINESS
An introduction to international business strategy and management. Topics includes international trade theory and how companies develop competitive advantage in international markets, production and financial management, and risk management. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

IBUS 210 INTERNATIONAL FINANCE
Introduction to and examination of the theoretical aspects of international trade finance. Includes topics such as different types of lenders, domestic and foreign government assistance programs for trade assistance, methods of payment, trade financing, examination of the theoretical, historical and cultural aspects in International Trade Finance. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

IBUS 243 LEGAL ENVIRONMENT OF INTERNATIONAL BUSINESS
Introduction to various topics related to the legal implications of the financial, economic, cultural, and political environment of international business. Students will develop a theoretical and practical approach to doing business as a multinational company in a global environment. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Transfer Credit: CSU

Journalism

JOUR 110 MASS MEDIA AND SOCIETY
A survey of historical and theoretical perspective through which to assess the impact the mass media - newspapers, magazines, the Internet, radio, television, film, advertising, and public relations – have had on society. Students will learn about the rights and responsibilities of the media, as well as the way in which economic, ethical, and legal concerns influence media decisions. Training in becoming discerning media consumers in this information-saturated age. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: ENGL 846 or ESOL 400 or equivalent
AA/AS Degree Requirements: Area 9D3
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)
C-ID: JOUR 100

JOUR 120 WRITING AND REPORTING FOR THE MEDIA
Fundamentals of news writing and reporting, including organization of basic news stories, lead writing,
JOUR 110 DEVELOPMENT OF SOURCES, INTERVIEWING, NEWS JUDGMENT, COPY EDITING, AND LEGAL/ETHICAL ISSUES. DESIGNED FOR STUDENTS INTERESTED IN A CAREER IN JOURNALISM OR MASS COMMUNICATIONS, AS WELL AS THOSE SEEKING BETTER WRITING SKILLS. LETTER GRADE ONLY. DEGREE CREDIT.

UNITS: 3
HOURS/SEMESTER: 48-54 LECTURE; 96-108 HOMEWORK
PREREQUISITES: ELIGIBILITY FOR, ENGL 100 OR EQUIVALENT.
TRANSFER CREDIT: CSU, UC
C-ID: JOUR 110

JOUR 121 ADVANCED WRITING AND REPORTING FOR THE MEDIA
FOCUS ON ADVANCED REPORTING SKILLS AND CONVERGENCE JOURNALISM, INCLUDING CONVEYING STORIES THROUGH MORE THAN TEXT. STUDENTS ENHANCE THEIR REPORTING AND NEWS WRITING BY SUPPLEMENTING TEXT WITH AUDIO, PHOTOS, AND VIDEO; CREATING INTERACTIVE GRAPHICS; BEAT BLOGGING; UTILIZING SOCIAL MEDIA, AND CULTIVATING DATA JOURNALISM SKILLS. DESIGNED TO PREPARE STUDENTS FOR THE CONVERGING WORLDS OF PRINT, BROADCAST AND ONLINE JOURNALISM. LETTER GRADE ONLY. DEGREE CREDIT.

UNITS: 3
HOURS/SEMESTER: 48-54 LECTURE; 96-108 HOMEWORK
PREREQUISITES: JOUR 120 OR EQUIVALENT.
TRANSFER CREDIT: CSU, UC
C-ID: JOUR 120

JOUR 300 NEWSPAPER STAFF
PRODUCTION OF THE COLLEGE NEWSPAPER. DISCUSSION AND CRITICISM BY STAFF OF THE PUBLICATION. STUDENTS WILL GET PRACTICAL EXPERIENCE IN WRITING AS PREPARATION FOR FUTURE PRINT AND ELECTRONIC MEDIA WORK. MAY BE REPEATED FOR CREDIT A MAXIMUM OF THREE TIMES. LETTER GRADE ONLY. DEGREE CREDIT.

UNITS: 3
HOURS/SEMESTER: 48-54 LECTURE; 48 OTHER; 96-108 HOMEWORK
PREREQUISITES: ENGL 836 OR ESOL 400 OR EQUIVALENT.
RECOMMENDED: ELIGIBILITY FOR ENGL 846 OR ESOL 400, OR EQUIVALENT. COMPLETION OF, OR CONCURRENT ENROLLMENT IN, JOUR 120 OR EQUIVALENT.
TRANSFER CREDIT: CSU
C-ID: JOUR 130

JOUR 320 BEGINNING NEWSPAPER STAFF
FOCUS ON THE PRODUCTION OF THE STUDENT NEWS PUBLICATIONS, INCLUDING THE PRINT NEWSPAPER, THE SKYLINE VIEW, ITS ONLINE VERSION, THESKYLINEVIEW.COM, AND ALL OTHER MEDIA PLATFORMS THROUGH WHICH CONTENT IS EXPRESSED. STUDENTS CONCENTRATE THEIR WORK IN ONE OF THE FOLLOWING: REPORT, WRITE AND EDIT ARTICLES FOR THE PRINT AND ONLINE VERSIONS OF THE SKYLINE VIEW; TAKE AND EDIT PHOTOGRAPHS; RESEARCH FOR AND CREATE INFORMATIONAL GRAPHICS; DEVELOP MULTIMEDIA STORIES; DESIGN AND LAYOUT PAGES OF THE PRINT NEWSPAPER, INCLUDING IN-HOUSE ADVERTISING; POST TO AND MAINTAIN SOCIAL MEDIA SITES. ETHICAL AND LEGAL ISSUES ARE ALSO COVERED. LETTER GRADE ONLY. DEGREE CREDIT.

UNITS: 3
HOURS/SEMESTER: 48-54 LECTURE; 48-54 TBA; 48-54 HOMEWORK
PREREQUISITES: ENGL 846 ELIGIBILITY FOR OR ESOL 400 OR EQUIVALENT
TRANSFER CREDIT: CSU
C-ID: JOUR 131

JOUR 330 INTERMEDIATE NEWSPAPER STAFF
FOCUS ON THE PRODUCTION OF THE STUDENT NEWS PUBLICATIONS, INCLUDING THE PRINT NEWSPAPER, THE SKYLINE VIEW, ITS ONLINE VERSION, THESKYLINEVIEW.COM, AND ALL OTHER MEDIA PLATFORMS THROUGH WHICH CONTENT IS EXPRESSED. STUDENTS TAKE A LEADERSHIP OR MANAGEMENT ROLE ON THE PAPER, WHILE THEY ALSO CONCENTRATE THEIR WORK IN ONE OF THE FOLLOWING: REPORT, WRITE AND EDIT ARTICLES FOR THE PRINT AND ONLINE VERSIONS OF THE SKYLINE VIEW; TAKE AND EDIT PHOTOGRAPHS; RESEARCH FOR AND CREATE INFORMATIONAL GRAPHICS; DEVELOP MULTIMEDIA STORIES; DESIGN AND LAYOUT PAGES OF THE PRINT NEWSPAPER, INCLUDING IN-HOUSE ADVERTISING; POST TO AND MAINTAIN SOCIAL MEDIA SITES. ETHICAL AND LEGAL ISSUES ARE ALSO COVERED. LETTER GRADE ONLY. DEGREE CREDIT.

UNITS: 3
HOURS/SEMESTER: 48-54 LECTURE; 48-54 TBA; 48-54 HOMEWORK
PREREQUISITES: JOUR 320 OR EQUIVALENT.
TRANSFER CREDIT: CSU
C-ID: JOUR 131

JOUR 340 INTERMEDIATE ADVANCED NEWSPAPER STAFF
DESCRIPTION THIS COURSE FOCUSES ON THE PRODUCTION OF THE STUDENT NEWS PUBLICATIONS, INCLUDING THE PRINT NEWSPAPER, THE SKYLINE VIEW, ITS ONLINE VERSION, THESKYLINEVIEW.COM, AND ALL OTHER MEDIA PLATFORMS THROUGH WHICH CONTENT IS EXPRESSED. STUDENTS TAKE A TRAINING AND LEADERSHIP OR MANAGEMENT ROLE ON THE PAPER, WHILE THEY ALSO CONCENTRATE THEIR WORK IN ONE OF THE FOLLOWING: REPORT, WRITE AND EDIT ARTICLES FOR THE PRINT AND ONLINE VERSIONS OF THE SKYLINE VIEW; TAKE AND EDIT PHOTOGRAPHS; RESEARCH FOR AND CREATE INFORMATIONAL GRAPHICS; DEVELOP MULTIMEDIA STORIES; DESIGN AND LAYOUT PAGES OF THE PRINT NEWSPAPER, INCLUDING IN-HOUSE ADVERTISING; POST TO AND MAINTAIN SOCIAL MEDIA SITES. ETHICAL AND LEGAL ISSUES ARE ALSO COVERED. LETTER GRADE ONLY. DEGREE CREDIT.

UNITS: 3
HOURS/SEMESTER: 48-54 LECTURE; 48-54 TBA; 48-54 HOMEWORK
PREREQUISITES: JOUR 320 OR EQUIVALENT.
TRANSFER CREDIT: CSU
C-ID: JOUR 131
advertising; post to and maintain social media sites. Ethical and legal issues are also covered. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 48-54 TBA; 48-54 Homework
Prerequisites: JOUR 330 or equivalent.
Transfer Credit: CSU

JOUR 350 ADVANCED NEWSPAPER STAFF
This course focuses on the production of the student news publications, including the print newspaper, The Skyline View, its online version, TheSkylineView.com, and all other media platforms through which content is expressed. Students take a training and leadership or management role on the paper. They also do advanced reporting for the paper in one of the following areas: investigative and in-depth stories, public affairs reporting; or data-driven reporting. Students also coordinate one special add-on section for the newspaper. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 48-54 TBA; 48-54 Homework
Prerequisites: JOUR 340 or equivalent.
Transfer Credit: CSU

Kinesiology – Adaptive Physical Education
See repeatability statement listed at the beginning of the Kinesiology (KINE) course listings for more information on limitations on the repetition of courses.

ADAP 358 ADAPTED STRENGTH DEVELOPMENT
An introduction to the discipline of Physical Education through strength development in the context of an individual's physical, intellectual, and/or affective abilities and limitations. Topics will include equipment use, etiquette, safety, nutrition and techniques related to strength training for individuals with disabilities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
Prerequisites: Physician's recommendation or assignment by the College Health Counselor or Division Dean (on recommendation of instructor)
Corequisites: ADAP 359
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

ADAP 359 BALANCE AND FUNCTIONAL MOVEMENT FOR THE PHYSICALLY LIMITED
Assessment and training to enhance coordination, balance and neuromuscular function. Emphasis on enhancing functional movement, movement efficiency resulting in improved posture, and functional movement experiences. Variable unit sections are open entry. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
Prerequisites: Physician's recommendation or assignment by the College Health Counselor or Division Dean (on recommendation of instructor)
Corequisites: ADAP 358
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

Kinesiology – Combatives
See repeatability statement listed at the beginning of the Kinesiology (KINE) course listings for more information on limitations on the repetition of courses.
COMB 105.1 JIU JITSU I
Introduction to the skills and strategies of Jiu Jitsu. Concepts of fitness and cardiovascular conditioning achieved through participating in Jiu Jitsu. Development of effective self-defense techniques through application of martial arts skills. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

COMB 105.2 JIU JITSU II
Instruction in submission techniques of Jiu Jitsu. Specific offensive and defensive techniques to be used against an opponent along with escapes and submissions from a variety of different positions. Participation in intermediate level sparring with emphasis on safety. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

COMB 105.3 JIU JITSU III
Continuing study of Jiu Jitsu. Development of greater self confidence, social and leadership skills. New Jiu Jitsu skills and techniques requiring greater proficiency in skills introduced in Jiu Jitsu II. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

COMB 301 BEGINNING WRESTLING
Instruction in rules and scoring systems. Instruction in take downs, escapes, reversals, breakdowns, rides, and pinning combinations. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

COMB 302 INTERMEDIATE WRESTLING
Intermediate level wrestling instruction. Dual competition and class tournament. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
Prerequisites: COMB 301 or equivalent.
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

COMB 401.1 SELF DEFENSE I
A beginning level course designed to teach the principles and skills of self-defense. Areas covered will be mental preparation, avoidance of situations conducive to assault, punching, kicking, pressure points and defenses. Includes instruction in both non-violent and violent defenses. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

COMB 401.2 SELF DEFENSE II
An intermediate level course designed to teach the principles and skills of self-defense. Includes mental preparation, avoidance of situations conducive to assault, punching, kicking, pressure points and defenses. Instruction in both non-violent and violent defenses. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

COMB 401.3 SELF DEFENSE III
An advanced intermediate level course designed to teach the principles and skills of self-defense including mental preparation, avoidance of situations conducive to assault, punching, kicking, pressure points and defenses. Instruction in both non-violent and violent defenses. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC
COMB 401.4 SELF DEFENSE IV
An advanced level course designed to teach the principles and skills of self-defense including mental preparation, avoidance of situations conducive to assault, punching, kicking, pressure points and defenses. Includes instruction in both non-violent and violent defenses at an advanced level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

Kinesiology – Dance
See repeatability statement listed at the beginning of the Kinesiology (KINE) course listings for more information on limitations on the repetition of courses.

DANC 100 DANCE APPRECIATION
An overview of dance history, beginning with classical era folk and ethnic dance, this course will survey the development of Modern, Ballet, Jazz and other dance forms. Focusing largely on the 20th Century, students will read, write and watch videos to form an overview of the history of dance and the historical events that influenced the major choreographers of the 20th Century. NOTE: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9C1
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 102 A SURVEY OF JAZZ DANCE FROM STREETS TO STAGE
Beginning with the mid-nineteenth century, the course will survey the evolution of jazz dance in musical theater on stage and in film, in particular focusing on the cultural and historical impact that jazz dance had in the lives of women and minorities. NOTE: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
DANC 121.2 CONTEMPORARY MODERN DANCE II
Intermediate level instruction in the Contemporary Modern Dance style, including warm-up and floor movement with an emphasis on proper techniques, creativity, style and self expression. Students will learn short dance phrases and will be expected to analyze, choreograph and/or perform a modern dance by the end of the semester. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 121.3 CONTEMPORARY MODERN DANCE III
Advanced intermediate level instruction in the Modern Dance style, including warm-up and floor movement with an emphasis on proper techniques, creativity, style and self expression. Students will learn short dance phrases and will be expected to analyze, choreograph and/or perform a modern dance by the end of the semester. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 121.4 CONTEMPORARY MODERN DANCE IV
Advanced level instruction in the Contemporary Modern Dance style, including warm-up and floor movement with an emphasis on proper techniques, creativity, style and self expression. Students will learn short dance phrases and will be expected to analyze, choreograph and/or perform a modern dance by the end of the semester. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 130.1 JAZZ DANCE I: LYRICAL, POP & BROADWAY
Jazz Dance covers American jazz-inspired movement techniques developed for musical theater, film and television. Developed by fusing African American social dance forms with Ballet, Modern and Tap dances, Jazz Dance emphasizes body-lines, flexible torso, exaggerated movements of individual body parts, isolations and precise footwork. Jazz dance is ever-changing because it reflects the cultural trends of the times. In multiple styles of Jazz dance, including lyrical and blues, musical theater, and hip hop/ street/funk styles, students will work towards mastery at the beginning level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 130.2 JAZZ DANCE II – LYRICAL, POP AND BROADWAY
Jazz Dance covers American jazz-inspired movement techniques developed for musical theater, film and television. Developed by fusing African American social dance forms with Ballet, Modern and Tap dances, Jazz Dance emphasizes body-lines, flexible torso, exaggerated movements of individual body parts, isolations and precise footwork. Jazz dance is ever-changing because it reflects the cultural trends of the times. In multiple styles of Jazz dance, including lyrical and blues, musical theater, and hip hop/ street/funk styles, students will work towards mastery at the intermediate level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 130.3 JAZZ DANCE III – LYRICAL, POP AND BROADWAY
Jazz Dance covers American jazz-inspired movement techniques developed for musical theater, film and television. Developed by fusing African American social dance forms with Ballet, Modern and Tap dances, Jazz Dance emphasizes body-lines, flexible torso, exaggerated movements of individual body parts, isolations and precise footwork. Jazz dance is ever-changing because it reflects the cultural trends of the times. In multiple styles of Jazz dance, including lyrical and blues, musical theater, and hip hop/ street/funk styles, students will work towards mastery at the advanced intermediate level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC
DANC 130.4 JAZZ DANCE IV – LYRICAL, POP AND BROADWAY

Jazz Dance covers American jazz-inspired movement techniques developed for musical theater, film and television. Developed by fusing African American social dance forms with Ballet, Modern and Tap dances, Jazz Dance emphasizes body-lines, flexible torso, exaggerated movements of individual body parts, isolations and precise footwork. Jazz dance is ever-changing because it reflects the cultural trends of the times. In multiple styles of Jazz dance, including lyrical and blues, musical theater, and hip hop/ street/ funk styles, students will work towards mastery at the advanced level Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 140.1 BALLET I

Beginning barre, floor technique and movement fundamentals with emphasis on body control, form and special patterns. Students will learn a variety of dance phrases. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 140.2 BALLET II

Intermediate barre, floor technique and movement fundamentals with emphasis on body control, form and special patterns. Students will learn a variety of dance phrases. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 140.3 BALLET III

Advanced intermediate barre, floor technique and movement fundamentals with emphasis on body control, form and special patterns. Students will learn a variety of dance phrases. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 150.1 HIP HOP I

Beginning practical experience in current hip-hop techniques, body isolations, directional changes, level changes and hip-hop variations of Jazz and African dance forms. Students learn the characteristic terminology, coordination, step-counting and performance skills. Students perform hip-hop technical drills and choreography. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 151.1 SOCIAL DANCE I

Beginning Social Dance class emphasizing the basics of several dance styles, including footwork, posture, and the arts of leading, following, and co-creating a dance. Each
semester dances are selected from the following list: East Coast Swing, Slow Waltz, Cha cha, Night Club Two-Step, Tango, Foxtrot, Rumba, Merengue and Salsa. Partners are not required; no prior experience needed. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1  
**Hours/semester:** 24-54 Lab  
**AA/AS Degree Requirements:** Area 7; Area 9E2  
**Transfer Credit:** CSU (CSU GE Area E2), UC

### DANC 151.2 SOCIAL DANCE II
Intermediate Social Dance class emphasizing the basics of several dance styles, including footwork, posture, and the arts of leading, following, and co-creating a dance. Each semester dances are selected from the following list: East Coast Swing, Slow Waltz, Cha cha, Night Club Two-Step, Tango, Foxtrot, Rumba, Merengue and Salsa. Partners are not required; no prior experience needed. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1  
**Hours/semester:** 24-54 Lab  
**AA/AS Degree Requirements:** Area 7; Area 9E2  
**Transfer Credit:** CSU (CSU GE Area E2), UC

### DANC 151.3 SOCIAL DANCE III
Advanced Intermediate Social Dance class emphasizing the basics of several dance styles, including footwork, posture, and the arts of leading, following, and co-creating a dance. Each semester dances are selected from the following list: East Coast Swing, Slow Waltz, Cha cha, Night Club Two-Step, Tango, Foxtrot, Rumba, Merengue and Salsa. Partners are not required; no prior experience needed. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1  
**Hours/semester:** 24-54 Lab  
**AA/AS Degree Requirements:** Area 7; Area 9E2  
**Transfer Credit:** CSU (CSU GE Area E2), UC

### DANC 151.4 SOCIAL DANCE IV
Advanced Social Dance class emphasizing the basics of several dance styles, including footwork, posture, and the arts of leading, following, and co-creating a dance. Each semester dances are selected from the following list: East Coast Swing, Slow Waltz, Cha cha, Night Club Two-Step, Tango, Foxtrot, Rumba, Merengue and Salsa. Partners are not required; no prior experience needed. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1  
**Hours/semester:** 24-54 Lab  
**AA/AS Degree Requirements:** Area 7; Area 9E2  
**Transfer Credit:** CSU (CSU GE Area E2), UC

### DANC 152.1 CUBAN SALSA I
Beginning level Cuban Salsa, focused on the fundamentals of Cuban popular dances, including Salsa, Cha Cha Cha, Bolero and Salsa Rueda. Liberate your salsa dance moves in the Cuban style by integrating the traditional Afro-Cuban elements. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1  
**Hours/semester:** 24-54 Lab  
**AA/AS Degree Requirements:** Area 7; Area 9E2  
**Transfer Credit:** CSU (CSU GE Area E2), UC

### DANC 152.2 CUBAN SALSA II
Intermediate level Cuban Salsa, focused on the fundamentals of Cuban popular dances, including Salsa, Cha Cha Cha, Bolero and Salsa Rueda. Liberate your salsa dance moves in the Cuban style by integrating the traditional Afro-Cuban elements. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1  
**Hours/semester:** 24-54 Lab  
**AA/AS Degree Requirements:** Area 7; Area 9E2  
**Transfer Credit:** CSU (CSU GE Area E2), UC

### DANC 152.3 CUBAN SALSA III
Advanced Intermediate level Cuban Salsa, focused on the fundamentals of Cuban popular dances, including Salsa, Cha Cha Cha, Bolero and Salsa Rueda. Liberate your salsa dance moves in the Cuban style by integrating the traditional Afro-Cuban elements. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1  
**Hours/semester:** 24-54 Lab  
**AA/AS Degree Requirements:** Area 7; Area 9E2  
**Transfer Credit:** CSU (CSU GE Area E2), UC

### DANC 152.4 CUBAN SALSA IV
Advanced level Cuban Salsa, focused on the fundamentals of Cuban popular dances, including Salsa, Cha Cha Cha, Bolero and Salsa Rueda. Liberate your salsa dance moves in the Cuban style by integrating the traditional Afro-Cuban elements. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
DANC 161 TANGO ARGENTINO
Dance the Argentine Tango (the dance of love) and learn basic improvisational skills. Viewing tango as a language, students will develop musicality and focus on the connection between partners in order to dance confidently in social settings around the world. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 162 TANGO MILONGA
Dance the Tango Milonga, an Argentine dance which is the precursor to the tango. Viewing tango and Milonga as a language, students will develop musicality and focus on the connection between partners in order to dance confidently in social settings. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 163 TANGO BUENOS AIRES
Experience many of the most fun Tango Buenos Aires steps from the past and today. Students will begin to develop more confidence, demystifying and internalizing the tango's structural elements and intricacies. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 164 TANGO DE LA CONFITERIA
Designed to strip Tango de la Confiteria down to its joyful essence, with many of the most fun steps of Buenos Aires from the past and today. The focus is on connecting with one's partner, dancing rhythmically, and feeling harmonious and happy in one's body, with one's partner and with the music. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 330.1 CREATIVE DANCE I
Beginning level instruction on the principles of dance composition through individual experiences, studies in use of varied stimuli, processes of dance construction and simple compositional forms. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 330.2 CREATIVE DANCE II
Intermediate level instruction on the principles of dance composition through individual experiences, studies in use of varied stimuli, processes of dance construction and simple compositional forms. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 330.3 CREATIVE DANCE III
Advanced intermediate level instruction on the principles of dance composition through individual experiences, studies in use of varied stimuli, processes of dance construction and simple compositional forms. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 330.4 CREATIVE DANCE IV
Advanced level instruction on the principles of dance composition through individual experiences, studies in use of varied stimuli, processes of dance construction and simple compositional forms. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
DANC 350.1 CARDIO DANCE I
Steps, stretches and toning movements from many dance sources; Latin, hip hop, folk, jazz, ballet, modern, rock, etc., that are choreographed to various rhythms designed to develop cardiovascular efficiency at a beginning level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 350.2 CARDIO DANCE II
Steps, stretches and toning movements from many dance sources; Latin, hip hop, folk, jazz, ballet, modern, rock, etc., that are choreographed to various rhythms designed to develop cardiovascular efficiency at an intermediate level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 350.3 CARDIO DANCE III
Steps, stretches and toning movements from many dance sources; Latin, hip hop, folk, jazz, ballet, modern, rock, etc., that are choreographed to various rhythms designed to develop cardiovascular efficiency at an advanced intermediate level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 350.4 CARDIO DANCE IV
Steps, stretches and toning movements from many dance sources; Latin, hip hop, folk, jazz, ballet, modern, rock, etc., that are choreographed to various rhythms designed to develop cardiovascular efficiency at an advanced level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1

DANC 391 DANCE COMPOSITION - THEORY AND CHOREOGRAPHY
Choreographic principles and techniques are learned through discussion and practical experience in various dance styles. Study of dance choreography to include construction of phrases; structure and form in a composition; and the basic elements of time, space and energy as used to create dance as a performing art. NOTE: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 395.1 DANCE WORKSHOP I
Designed to provide a structured workshop for students to collaborate and develop choreographic works at the beginning level. Students will dance in other students' work, and may also choreograph their own pieces. Students will perform these works for peer analysis and performance. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 395.2 DANCE WORKSHOP II
Designed to provide a structured workshop for students to collaborate and develop choreographic works at the intermediate level. Students will dance in other students' work, and may also choreograph their own pieces. Students will perform these works for peer analysis and performance. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC
DANC 395.3 DANCE WORKSHOP III
Designed to provide a structured workshop for students to collaborate and develop choreographic works at the advanced intermediate level. Students will dance in other students’ work, and may also choreograph their own pieces. Students will perform these works for peer analysis and performance. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 395.4 DANCE WORKSHOP IV
Designed to provide a structured workshop for students to collaborate and develop choreographic works at the advanced level. Students will dance in other students' work, and may also choreograph their own pieces. Students will perform these works for peer analysis and performance. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 400.1 DANCE PERFORMANCE AND PRODUCTION I
Beginning level dance performance, composition, and program production. Students will work with various choreography principles, stage production tasks and dance in a variety of styles. Rehearsal times will be arranged with the instructor. NOTE: Students wishing to fulfill the requirement for the Dance Major should enroll in 2 units. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 400.2 DANCE PERFORMANCE AND PRODUCTION II
Intermediate level dance performance, composition, and program production. Students will work with various choreography principles, stage production tasks and dance in a variety of styles. Rehearsal times will be arranged with the instructor. NOTE: Students wishing to fulfill the requirement for the Dance Major should enroll in 2 units. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 400.3 DANCE PERFORMANCE AND PRODUCTION III
Advanced Intermediate level dance performance, composition, and program production. Students will work with various choreography principles, stage production tasks and dance in a variety of styles. Rehearsal times will be arranged with the instructor. NOTE: Students wishing to fulfill the requirement for the Dance Major should enroll in 2 units. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 400.4 DANCE PERFORMANCE AND PRODUCTION IV
Advanced level dance performance, composition, and program production. Students will work with various choreography principles, stage production tasks and dance in a variety of styles. Rehearsal times will be arranged with the instructor. NOTE: Students wishing to fulfill the requirement for the Dance Major should enroll in 2 units. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 410.1 DANCE FOR THE MUSICAL THEATER PRODUCTION I
Designed to prepare students to perform at the beginning level in a musical theater production. Students will learn the historical context of the play, costuming and perform choreography specific to the production. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 TBA
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

COURSE DESCRIPTIONS
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DANC 410.2 DANCE FOR THE MUSICAL THEATER PRODUCTION II
Designed to prepare students to perform at the intermediate level in a musical theater production. Students will learn the historical context of the play, costuming and perform choreography specific to the production. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 TBA
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

Kinesiology – Fitness
See repeatability statement listed at the beginning of the Kinesiology (KINE) course listings for more information on limitations on the repetition of courses.

FITN 106 VARSITY CONDITIONING
Intended for out-of-season varsity athletes to provide fitness and strength programs that will prepare them for intercollegiate competition. May include strength, cardiovascular, agility, speed and sport specific training. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 107 INTERCOLLEGIATE FITNESS
Intended for in-season varsity athletes to maintain fitness during their intercollegiate season. Strength training, cardiovascular conditioning, flexibility, injury prevention, psychological preparation and nutrition will be emphasized. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7
Transfer Credit: CSU, UC

FITN 112.1 CROSS TRAINING I
A beginning level course designed to incorporate strength training and fitness concepts for overall body conditioning using a variety of fitness activities. Class may include Spinning, weight training or resistance exercises, yoga, Pilates, hiking, running, and/or fitness walking. Students will improve fitness levels, increase strength and flexibility, and lose body fat while participating in a variety of fitness activities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-48 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 410.3 DANCE FOR THE MUSICAL THEATER PRODUCTION III
Designed to prepare students to perform at the advanced intermediate level in a musical theater production. Students will learn the historical context of the play, costuming and perform choreography specific to the production. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 TBA
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 410.4 DANCE FOR THE MUSICAL THEATER PRODUCTION IV
Designed to prepare students to perform at the advanced level in a musical theater production. Students will learn the historical context of the play, costuming and perform choreography specific to the production. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 TBA
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

DANC 665 SELECTED TOPICS: DANCE IN CULTURAL CONTEXT
This course is designed to introduce students to the fundamentals of different styles of dance from selected cultures. In-depth study of selected dance forms as Flamenco, Congolese, Salsa, African-Brazilian, Swing, and Capoeira will be offered and one hour by arrangement per week. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 or 1
Hours/semester: 24-54 Lab; 16 Other

AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC
FITN 112.2 CROSS TRAINING II
An intermediate level course designed to incorporate strength training and fitness concepts for overall body conditioning using a variety of fitness activities. Students will improve fitness levels, increase strength and flexibility, and lose body fat while participating in a variety of fitness activities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-48 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 112.3 CROSS TRAINING III
An advanced intermediate level course designed to incorporate strength training and fitness concepts for overall body conditioning using a variety of fitness activities. Students will improve fitness levels, increase strength and flexibility, and lose body fat while participating in a variety of fitness activities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-48 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 112.4 CROSS TRAINING IV
An advanced level course designed to incorporate strength training and fitness concepts for overall body conditioning using a variety of fitness activities. Students will improve fitness levels, increase strength and flexibility, and lose body fat while participating in a variety of fitness activities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-48 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 116.2 BODY CONDITIONING II
Instruction and personal fitness program development on an intermediate level. Emphasis on various stretching and flexibility methods, the design of individual strength programs, and latest information of scientific application to developing aerobic fitness and wellness at an intermediate level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 116.3 BODY CONDITIONING III
Instruction and personal fitness program development on an advanced intermediate level. Emphasis on various stretching and flexibility methods, the design of individual strength programs, and latest information of scientific application to developing aerobic fitness and wellness at an advanced intermediate level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 116.4 BODY CONDITIONING IV
Continued instruction and personal fitness program development on an advanced level. Emphasis on various stretching and flexibility methods, the design of individual strength programs, and latest information of scientific application to developing aerobic fitness and wellness at an advanced level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 166.1 GOLF FITNESS I
Intended for golfers of all ages and beginning fitness levels. Students will increase strength, flexibility and cardiovascular fitness levels in activities and exercises geared towards improving golf performance. Beginning level individualized...
FITN 166.2 GOLF FITNESS II
Intended for golfers of all ages and fitness levels. Students will increase strength, flexibility and cardiovascular fitness levels in intermediate level activities and exercises geared towards improving golf performance. Intermediate level individualized programs will be created. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 166.3 GOLF FITNESS III
Intended for golfers of all ages and fitness levels. Students will increase strength, flexibility and cardiovascular fitness levels in advanced intermediate level activities and exercises geared towards improving golf performance. Advanced intermediate level individualized programs will be created. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 166.4 GOLF FITNESS IV
Intended for golfers of all ages and fitness levels. Students will increase strength, flexibility and cardiovascular fitness levels in advanced level activities and exercises geared towards improving golf performance. Advanced level individualized programs will be created. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 199.1 INTERACTIVE CARDIOVASCULAR FITNESS I
A beginning level fitness course utilizing technology to verify performance via self-reported cardiovascular exercise, assignments, testing and discussion. Students will learn to improve fitness through the use of cardiovascular exercise. Students are required to have an instructor-approved tracking application installed on a GPS-enabled device. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 Homework
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 199.2 INTERACTIVE CARDIOVASCULAR FITNESS II
An intermediate level fitness course utilizing technology to verify performance via self-reported cardiovascular exercise, assignments, testing and discussion. Students will improve fitness through the use of cardiovascular exercise. Students are required to have an instructor-approved tracking application installed on a GPS-enabled device. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 Homework
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 201.1 WEIGHT TRAINING I
Instruction at a beginning level in lifts and protocols of weight training. Emphasis on form and techniques, safety procedures and strength values of weight lifting using barbells, weight machines and similar equipment. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 201.2 WEIGHT TRAINING II
Instruction at an intermediate level in lifts and protocols of weight training. Emphasis on form and techniques, safety procedures and strength values of weight lifting using barbells, weight machines and similar equipment. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
FITN 201.3 WEIGHT TRAINING III
Instruction at an advanced intermediate level in lifts and protocols of weight training. Emphasis on form and techniques, safety procedures and strength values of weight lifting using barbells, weight machines and similar equipment. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 201.4 WEIGHT TRAINING IV
Instruction at an advanced level in lifts and protocols of weight training. Emphasis on form and techniques, safety procedures and strength values of weight lifting using barbells, weight machines and similar equipment. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 219.1 CORE FITNESS TRAINING I
Designed to provide core strengthening, stretching and aerobic exercise with focus on spine stabilization postures and proper knee alignment at a beginning level to improve athletic performance, activities of daily living, and injury prevention. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 219.2 CORE FITNESS TRAINING II
Designed to provide core strengthening, stretching and aerobic exercise with focus on spine stabilization postures and proper knee alignment at an intermediate level to improve athletic performance, activities of daily living, and injury prevention. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 219.3 CORE FITNESS TRAINING III
Designed to provide core strengthening, stretching and aerobic exercise with focus on spine stabilization postures and proper knee alignment at an advanced intermediate level to improve athletic performance, activities of daily living, and injury prevention. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 219.4 CORE FITNESS TRAINING IV
Designed to provide core strengthening, stretching and aerobic exercise with focus on spine stabilization postures and proper knee alignment at an advanced level to improve athletic performance, activities of daily living, and injury prevention. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 301.1 SPINNING I
A beginning level aerobic exercise performed on a stationary racing bicycle and done to high-cadence music. An exciting and fast-paced workout to lose body weight or improve aerobic conditioning. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 301.2 SPINNING II
An intermediate level aerobic exercise performed on a stationary racing bicycle and done to high-cadence music. An exciting and fast-paced workout to lose body weight or
FITN 301.3 SPINNING III
An advanced intermediate level aerobic exercise performed on a stationary racing bicycle and done to high-cadence music. An exciting and fast-paced workout to lose body weight or improve aerobic conditioning. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 301.4 SPINNING IV
An advanced level aerobic exercise performed on a stationary racing bicycle and done to high-cadence music. An exciting and fast-paced workout to lose body weight or improve aerobic conditioning. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 304.1 WALKING FITNESS I
Beginning level cardiovascular fitness through walking. Students will evaluate their individual levels of cardiovascular fitness and develop a beginning level personal walking program. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 304.2 WALKING FITNESS II
Gain intermediate level cardiovascular fitness through walking. Students will evaluate their individual levels of cardiovascular fitness and develop an intermediate level personal walking program. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 304.3 WALKING FITNESS III
Students gain an advanced intermediate level understanding of cardiovascular fitness through walking. Students will evaluate their individual levels of cardiovascular fitness and develop a advanced intermediate level personal walking program. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 304.4 WALKING FITNESS IV
Students gain an advanced level understanding of cardiovascular fitness through walking. Students will evaluate their individual levels of cardiovascular fitness and develop a advanced level personal walking program. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 305.1 CARDIOVASCULAR DEVELOPMENT - RUNNING EMPHASIS I
Instruction in methods to achieve total fitness through beginning level cardiovascular activities with emphasis on running. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 305.2 CARDIOVASCULAR DEVELOPMENT - RUNNING EMPHASIS II
Instruction in methods to achieve total fitness through intermediate level cardiovascular activities with emphasis on running. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
FITN 305.3 CARDIOVASCULAR DEVELOPMENT - RUNNING EMPHASIS III

Instruction in methods to achieve total fitness through advanced intermediate level cardiovascular activities with emphasis on running. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 2

**Hours/semester:** 24-108 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

FITN 305.4 CARDIOVASCULAR DEVELOPMENT - RUNNING EMPHASIS IV

Instruction in methods to achieve total fitness through advanced level cardiovascular activities with emphasis on running. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 2

**Hours/semester:** 24-108 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

FITN 308.1 HIKING AND TREKKING FOR FITNESS I

Introduction to the cardiovascular and weight loss benefits of the use of trekking poles while hiking. A fitness course for the outdoor enthusiast, classes will be conducted on local Bay Area trails. Trekking poles are recommended but not required. *Pass/No Pass Only. Degree Credit.*

**Units:** 0.5 - 2

**Hours/semester:** 24-108 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

FITN 308.2 HIKING AND TREKKING FOR FITNESS II

Continued experience in the use of trekking poles while hiking; cardiovascular and weight loss benefits of the use of trekking poles while hiking. Classes will be conducted on local Bay Area trails. Trekking poles are recommended but not required. *Pass/No Pass Only. Degree Credit.*

**Units:** 0.5 - 2

**Hours/semester:** 24-108 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

FITN 308.3 HIKING AND TREKKING FOR FITNESS III

Continued experience in the use of trekking poles at an advanced intermediate level while hiking; cardiovascular and weight loss benefits of the use of trekking poles while hiking. Classes will be conducted on local Bay Area trails. Trekking poles are recommended but not required. *Pass/No Pass Only. Degree Credit.*

**Units:** 0.5 - 2

**Hours/semester:** 24-108 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

FITN 308.4 HIKING AND TREKKING FOR FITNESS IV

Continued experience in the use of trekking poles at an advanced level while hiking; cardiovascular and weight loss benefits of the use of trekking poles while hiking. Classes will be conducted on local Bay Area trails. Trekking poles are recommended but not required. *Pass/No Pass Only. Degree Credit.*

**Units:** 0.5 - 2

**Hours/semester:** 24-108 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

FITN 314.1 BACKPACKING FOR FITNESS I

Designed to increase fitness and strength. Introduces students to many aspects of backpacking including identification of necessary backpacking equipment and supplies, development of a trip plan, investigation and avoidance of potential safety risks, and completion of a safe overnight backpacking excursion. Students will be expected to pay fees associated with camping reservation. *Pass/No Pass Only. Degree Credit.*

**Units:** 0.5 - 2

**Hours/semester:** 24-108 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC
FITN 314.2 BACKPACKING FOR FITNESS II
Designed to increase fitness and strength at an intermediate level. Continuing exploration of many aspects of backpacking including identification of necessary backpacking equipment and supplies, development of a trip plan, investigation and avoidance of potential safety risks, and completion of a safe overnight backpacking excursion. Students will be expected to pay fees associated with campsite reservation. Pass/No Pass Only. Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 314.3 BACKPACKING FOR FITNESS III
Designed to increase fitness and strength at an advanced intermediate level. Continuing exploration of many aspects of backpacking including identification of necessary backpacking equipment and supplies, development of a trip plan, investigation and avoidance of potential safety risks, and completion of a safe overnight backpacking excursion. Students will be expected to pay fees associated with campsite reservation. Pass/No Pass Only. Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 314.4 BACKPACKING FOR FITNESS IV
Designed to increase fitness and strength at an advanced level. Continuing exploration of many aspects of backpacking including identification of necessary backpacking equipment and supplies, development of a trip plan, investigation and avoidance of potential safety risks, and completion of a safe overnight backpacking excursion. Students will be expected to pay fees associated with campsite reservation. Pass/No Pass Only. Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 332.2 STRETCHING AND FLEXIBILITY II
An intermediate level class designed to increase flexibility, tone the body, improve circulation, teach proper breathing and relaxation, and create basic understanding of what is necessary for good health. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 332.3 STRETCHING AND FLEXIBILITY III
An advanced intermediate level class designed to increase flexibility, tone the body, improve circulation, teach proper breathing and relaxation, and create basic understanding of what is necessary for good health. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 332.4 STRETCHING AND FLEXIBILITY IV
An advanced level class designed to increase flexibility, tone the body, improve circulation, teach proper breathing and relaxation, and create basic understanding of what is necessary for good health. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 334.1 YOGA I
Designed to educate students in Hatha Yoga at a beginning level. A fitness course using yoga postures to increase flexibility, strength and endurance; improve balance, posture and breathing; teach relaxation techniques. This course is appropriate for all ages and abilities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 1
FITN 334.2 YOGA II
Designed to educate students in Hatha Yoga at an intermediate level. A fitness course using yoga postures to increase flexibility, strength and endurance; improve balance, posture and breathing; teach relaxation techniques. This course is appropriate for continuing yoga students. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 334.3 YOGA III
Designed to educate students in Hatha Yoga at an advanced intermediate level. A fitness course using yoga postures to increase flexibility, strength and endurance; improve balance, posture and breathing; teach relaxation techniques. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 334.4 YOGA IV
Designed to educate students in Hatha Yoga at an advanced level. A fitness course using yoga postures to increase flexibility, strength and endurance; improve balance, posture and breathing; teach relaxation techniques. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 335.1 PILATES I
Training of the muscles in the torso through controlled exercises taught at a beginning level designed to improve posture, coordination and balance; build core strength; and increase flexibility and agility. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

FITN 335.2 PILATES II
Training of the muscles in the torso through controlled exercises taught at an intermediate level designed to improve posture, coordination and balance; build core strength; and increase flexibility and agility. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 335.3 PILATES III
Training of the muscles in the torso through controlled exercises taught at an advanced intermediate level designed to improve posture, coordination and balance; build core strength; and increase flexibility and agility. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 335.4 PILATES IV
Training of the muscles in the torso through controlled exercises taught at an advanced level designed to improve posture, coordination and balance; build core strength; and increase flexibility and agility. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

FITN 400.1 FITNESS ACADEMY I
Various fitness activities designed to raise students’ individual fitness levels. After assessment of the students’ fitness levels through completion of division fitness tests, personal exercise regimens will be prepared for each student. Students must meet with the instructor for orientation. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1 - 3
Hours/semester: 48-162 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

**FITN 400.2 FITNESS ACADEMY II**

Building on concepts learned in FITN 400.1, students will participate in various fitness activities designed to raise their individual fitness levels. After assessment of the students' fitness levels through completion of division fitness tests, intermediate level personal exercise regimens will be prepared for each student. Students must meet with the instructor for orientation. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 1 - 3
Hours/semester: 48-162 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

**FITN 400.3 FITNESS ACADEMY III**

Building on concepts from FITN 400.2, students will participate in various fitness activities designed to raise their individual fitness levels. After assessment of the students’ fitness levels through completion of division fitness tests, advanced intermediate level personal exercise regimens will be prepared for each student. Students must meet with the instructor for orientation. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 1 - 3
Hours/semester: 48-162 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

**FITN 400.4 FITNESS ACADEMY IV**

Building on concepts from FITN 400.3, students will participate in various fitness activities designed to raise their individual fitness levels. After assessment of the students’ fitness levels through completion of division fitness tests, advanced level personal exercise regimens will be prepared for each student. Students must meet with the instructor for orientation. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 1 - 3
Hours/semester: 48-162 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

**Kinesiology - Individual Sports**

See *repeatability statement* listed at the beginning of the Kinesiology (KINE) course listings for more information on limitations on the repetition of courses.

**INDV 101.1 ARCHERY I**

Introduction to target archery including technique practice and application, scoring at a beginning level, vocabulary, and care and selection of equipment. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

**INDV 101.2 ARCHERY II**

Continuing instruction in the sport of target archery. Includes further technique instruction, use of a bow sight, scoring, care of a bow and arrows, and vocabulary. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

**INDV 101.3 ARCHERY III**

Continuing instruction in the sport of target archery. Includes advanced intermediate technique and bow sight instruction, scoring, care of a bow and arrows, vocabulary and competition. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

**INDV 101.4 ARCHERY IV**

Continuing instruction in the sport of target archery. Includes advanced technique instruction, scoring, vocabulary and competition. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
**Transfer Credit:** CSU (CSU GE Area E2), UC

**INDV 121.1 BADMINTON I**
Rules and beginning strategies of badminton; instruction and practice in fundamentals of grip, strokes, footwork, and court coverage, drills and competition, tournaments in singles and doubles. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1

**Hours/semester:** 24-48 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**INDV 121.2 BADMINTON II**
Rules and strategies of intermediate badminton; instruction and further practice in grips, strokes, footwork, and court coverage, drills and competition, tournaments in singles and doubles. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1

**Hours/semester:** 24-48 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**INDV 121.3 BADMINTON III**
Advanced intermediate instruction with an emphasis on strategy, footwork, doubles team work, and singles game. Tournament play in singles and doubles. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1

**Hours/semester:** 24-48 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**INDV 121.4 BADMINTON IV**
Advanced instruction with an emphasis on strategy, footwork, doubles team work, and singles game. Tournament play in singles and doubles. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1

**Hours/semester:** 24-54 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**INDV 126 COED CLUB BADMINTON**
Coed class which prepares students for badminton competition through drills and physical training. Limited to in-class competition. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1

**Hours/semester:** 24-48 Lab

**Prerequisites:** INDV 121.1 or equivalent

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**INDV 160.1 GOLF I**
Techniques, rules, etiquette, and strategy for beginning golf instruction. Practical experience associated with grip, stance, swings relative to iron and wood shots at a beginning level. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1

**Hours/semester:** 24-48 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**INDV 160.2 GOLF II**
Technique, rules, etiquette, and strategy for intermediate golf instruction. Practical experience associated with grip, stance, swings relative to iron and wood shots at an intermediate level. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1

**Hours/semester:** 24-48 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**INDV 160.3 GOLF III**
Technique, rules, etiquette, and strategy for advanced intermediate golf instruction. Practical experience associated with grip, stance, swings relative to iron and wood shots at an advanced intermediate level. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1

**Hours/semester:** 24-48 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC
INDV 160.4 GOLF IV
Technique, rules, etiquette, and strategy for advanced golf instruction. Practical experience associated with grip, stance, swings relative to iron and wood shots at an advanced level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-48 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

INDV 251.1 TENNIS I
Instruction in the fundamental skills of the service, forehand and the backhand strokes; court strategy and the rules of play; testing program in all tennis skills and rules. Includes use of automatic ball machine. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

INDV 251.2 TENNIS II
Continued instruction in the fundamental skills of tennis. Emphasis will be placed on singles and doubles strategy including the essence of net play at the intermediate level. Forehand, backhand, and serve will be emphasized as offensive and defensive weapons. Competition will be included and tournaments will be held. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

INDV 251.3 TENNIS III
Continued instruction on the skills of tennis at the advanced intermediate level. Emphasis will be placed on singles and doubles strategy including net play. Forehand, backhand, and serve will be emphasized as offensive and defensive weapons. Competition will be included and tournaments will be held. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2

Transfer Credit: CSU (CSU GE Area E2), UC

INDV 251.4 TENNIS IV
Continued instruction on the skills of tennis at the advanced level. Emphasis will be placed on singles and doubles strategy including net play. Forehand, backhand, and serve will be emphasized as offensive and defensive weapons. Competition will be included and tournaments will be held. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

Kinesiology
The majority of courses offered by the San Mateo County Community College District are now leveled to show progression from the most fundamental (level 1) to the most advanced (level 4). Course levels can be identified by a .1, .2, .3, or .4 system or by the course title. Course levels may be scheduled simultaneously. Students are advised to enroll initially at the fundamental level (.1) regardless of previous experience and be placed at the appropriate level based on instructor assessment. Adapted Physical Education and intercollegiate sport related courses are not affected by the repeatability legislation.

Kinesiology and Dance activity courses are subject to repeatability limitations. Students are now limited to a maximum of four courses per family listed below. If there is more than one course in a particular family, a student may only enroll in a maximum of four total courses within that family. After four courses within a family have been taken, a student has the option to audit should they wish to continue enrolling in courses within that family. Students who audit do not count toward meeting local minimum enrollment requirements. Thus, a class may be cancelled if enough credit seeking students are not enrolled no matter how many students wish to audit. For information about how to audit, students should refer to the audit policy in the catalog.

A course previously taken by a student, prior to course leveling within the identified family will count as a repeat and limit future enrollments of courses within that family to a maximum of four combined. This limitation on enrollment applies to all coursework attempted by the student. For a list of “Families Across the District,” see the Academic Standards section of this catalog. Students not having previously taken a Kinesiology or Dance activity course may have the opportunity to enroll in courses within a particular family for a maximum of four times.
KINE 100 INTRODUCTION TO KINESIOLOGY
Exploration of the broad spectrum of kinesiology as an academic discipline, fundamental concepts and meaning of movement/physical activity, diversity of humans as moving beings, professional/career options, current/social issues, personal characteristics/professional responsibilities.
NOTE: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** KIN 100

KINE 305 HEALTH-RELATED FITNESS AND WELLNESS
Teaches students to understand the need and assume the responsibility for maintaining a healthful lifestyle. Explores the role that regular exercise, healthy eating habits, and stress management play in the maintenance of health-related fitness and wellness over the lifespan. NOTE: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. Concurrent enrollment in any Skyline fitness-related activity course.

**AA/AS Degree Requirements:** Area 9E1  
**Transfer Credit:** CSU (CSU GE Area E1), UC  
**KINE 510 SPORT, MOVEMENT AND FILM**
Examination of how the cultural, political, psychological and historical dimensions of sport and other forms of movement are portrayed in feature films and documentaries. Representations of identity, power, performance, social justice, and the body are also analyzed. This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 9D3

**Transfer Credit:** CSU (CSU GE Area D), UC

KINE 670 VOCATIONAL COOPERATIVE EDUCATION IN KINESIOLOGY
Students may receive credit for work experience related to their major field or to their established career goal. Seminars and individual conferences are scheduled at convenient times during the semester for the instructor and the student to establish learning objectives related to the student's employment. Students are given appropriate assignments related to the stated objectives and graded in accordance with the college's established grading system. As an alternative, related instruction classes meeting one hour per week, usually in the evening, are available for those students who prefer or need a more structured learning process. One unit of credit for each 75 hours worked per semester, with a maximum of four units per semester, may be earned by students with jobs related to their academic or occupational majors or goals. May be repeated for credit up to 16 units. This limitation applies to Occupational Cooperative Education work experience courses offered within the SMCCCD. **Pass/No Pass Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 225 Work Experience  
**Prerequisites:** Permission of the Cooperative Education Office, concurrent enrollment in a planned vocational program, and employment in a college-approved job directly related to the student's academic major.

**Transfer Credit:** CSU

KINE 695 INDEPENDENT STUDY IN KINESIOLOGY
Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 0.5 - 3  
**Hours/semester:** 24-162 Lab  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU
Kinesiology – Physical Education

See repeatability statement listed at the beginning of the Kinesiology (KINE) course listings for more information on limitations on the repetition of courses.

P.E. 105 THE STUDENT-ATHLETE EXPERIENCE
Examines the historical, sociological, health and compliance issues related to student athletes at the community college and university level. Includes topics such as gender issues, racism, and performance-enhancing drug use in sports. Students will be able to cite community college eligibility requirements and matriculation requirements upon completion of this course. Note: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
AA/AS Degree Requirements: Area 9E1
Transfer Credit: CSU (CSU GE Area E1), UC

P.E. 152 THEORY OF SPORT & FITNESS MANAGEMENT
Emphasizes basic management principles as they relate to the business of sport. Examines such topics as sport governance, facilities management, sports law, the economics of sport, and sports marketing. Will provide an overview of the many careers available in the sports management industry. Note: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

P.E. 211 PREVENTION AND CARE OF ATHLETIC INJURIES
Introduction to basic principles of prevention, assessment, treatment and rehabilitation of athletic injuries. This course applies basic principles of anatomy, physiology, pathology and biomechanics to athletic injuries. Note: This class is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

P.E. 301 INTRODUCTION TO PERSONAL TRAINING
Prepares students to take the National Council of Strength and Fitness Certified Personal Trainer exam. The study of basic human anatomy, exercise physiology, health screening and assessment, nutrition, aerobic and anaerobic conditioning. Note: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU

P.E. 302 INTRODUCTION TO SPORT NUTRITION
The study of the function of nutrients on human performance. The role of macronutrients (proteins, carbs, and fats), micronutrients (vitamins, minerals, and trace elements) and water in growth, development and body processes. Prepares students to take the National Council of Strength and Fitness Sport Nutrition exam. Note: This course is not activity-based and is not applicable to the specific area requirement in Physical Education for the Associate Degree. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU, UC

Kinesiology - Team Sports

See repeatability statement listed at the beginning of the Kinesiology (KINE) course listings for more information on limitations on the repetition of courses.

TEAM 100 MEN'S BASEBALL
Instruction and practice in the fundamentals of baseball; team competition; testing program in skills and rules. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 96-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC
TEAM 111.1 BASKETBALL I
Instruction at a beginning level in the rules, strategies and skills of basketball. Includes round-robin play during the last half of the semester. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 111.2 BASKETBALL II
Instruction at an intermediate level in the rules, strategies and skills of basketball. Includes round-robin play during the last half of the semester. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 111.3 BASKETBALL III
Instruction at an advanced intermediate level in the rules, strategies and skills of basketball. Includes round-robin play during the last half of the semester. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 111.4 BASKETBALL IV
Instruction at an advanced level in the rules, strategies and skills of basketball. Includes round-robin play during the last half of the semester. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 112 BASKETBALL: ADVANCED COMPETITION STRATEGIES
Designed for potential student-athletes to pursue advanced knowledge in philosophy, strategies, techniques, and instruction in the competitive game of basketball. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 116 BASKETBALL: INDIVIDUAL SKILL DEVELOPMENT
Designed to improve the individual skills of students wishing to play competitive basketball. Fundamentals of the game: ball handling, passing and shooting. Numerous basketball and conditioning drills. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 117 TOURNAMENT BASKETBALL
Geared toward advanced level basketball players, this course is designed to give students competitive playing experience in a team, tournament setting. Students will learn both offensive and defensive concepts in a team setting. Tournament games will be officiated using NCAA rules and guidelines. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-48 Lab
Recommended: TEAM 111 or TEAM 112, TEAM 115 or TEAM 116 or competitive experience or equivalent.
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 132.1 FLAG FOOTBALL I
Provides beginning skills and competition in flag football, including catching, running with the ball, strategies, blocking, and rules of the game. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC
TEAM 132.2 FLAG FOOTBALL II
Provides intermediate skills building and competition in flag football, including catching, running with the ball, strategies, blocking, and rules of the game. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 132.3 FLAG FOOTBALL III
Provides advanced intermediate skills building and competition in flag football, including catching, running with the ball, strategies, blocking, and rules of the game. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 132.4 FLAG FOOTBALL IV
Provides advanced skills building and competition in flag football, including catching, running with the ball, strategies, blocking, and rules of the game. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 141.1 SOCCER I
Instruction and practice in the fundamentals of individual and team play including, but not limited to, passing, receiving, dribbling, shielding, shooting and offensive / defensive systems at a beginning level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 141.2 SOCCER II
Instruction and practice in the fundamentals of individual and team play including, but not limited to, passing, receiving, dribbling, shielding, shooting and offensive /

TEAM 141.3 SOCCER III
Instruction and practice in the fundamentals of individual and team play including, but not limited to, passing, receiving, dribbling, shielding, shooting and offensive / defensive systems at an advanced intermediate level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 141.4 SOCCER IV
Instruction and practice in the fundamentals of individual and team play including, but not limited to, passing, receiving, dribbling, shielding, shooting and offensive / defensive systems at an advanced level. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 148.1 INDOOR SOCCER I
Designed to provide instruction and practice at a beginning level in the fundamentals of indoor soccer and Futsal, team competition, specialized tactics and beginning systems of play. Discussion of historical perspectives and social significance of indoor soccer and Futsal. Testing program in skills and laws of the game. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 1
Hours/semester: 24-54 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 148.2 INDOOR SOCCER II
Designed to provide instruction and practice at an intermediate level in the fundamentals of indoor soccer and Futsal, team competition, specialized tactics and beginning
systems of play. Discussion of historical perspectives and social significance of indoor soccer and Futsal. Testing program in skills and laws of the game. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1

**Hours/semester:** 24-54 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**TEAM 148.3 INDOOR SOCCER III**

Designed to provide instruction and practice at an advanced intermediate level in the fundamentals of indoor soccer and Futsal, team competition, specialized tactics and beginning systems of play. Discussion of historical perspectives and social significance of indoor soccer and Futsal. Testing program in skills and laws of the game. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1

**Hours/semester:** 24-54 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**TEAM 148.4 INDOOR SOCCER IV**

Designed to provide instruction and practice at an advanced level in the fundamentals of indoor soccer and Futsal, team competition, specialized tactics and beginning systems of play. Discussion of historical perspectives and social significance of indoor soccer and Futsal. Testing program in skills and laws of the game. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1

**Hours/semester:** 24-54 Lab

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**TEAM 179 TOURNAMENT VOLLEYBALL**

Geared toward intermediate and advanced level volleyball players, this course emphasizes team play in a tournament setting. Includes an introduction to, and use of, different offensive and defensive systems. Tournament play will include 2-, 3-, 4-, and 6-person team play using international rules. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 0.5 - 1

**Hours/semester:** 24-54 Lab

**Recommended:** TEAM 171 or equivalent.

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**TEAM 188 VOLLEYBALL THEORY: DEFENSE**

Fundamentals of playing and coaching volleyball. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team play in volleyball from a defensive perspective. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 1.5 - 3

**Hours/semester:** 16-36 Lecture; 24-54 Lab; 32-72 Homework

**Recommended:** Concurrent enrollment in, VARS 340

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**TEAM 189 VOLLEYBALL THEORY: OFFENSE**

Offensive fundamentals of playing and coaching volleyball. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team play in volleyball from an offensive perspective. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 1.5 - 3

**Hours/semester:** 16-36 Lecture; 24-108 Lab; 32-108 Homework

**Recommended:** Concurrent enrollment in, TEAM 100 or VARS 100

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC

**TEAM 190 BASEBALL THEORY: DEFENSE**

Designed to help students understand the fundamentals of playing and coaching baseball from a defensive perspective. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team defensive play in baseball. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 1.5 - 3

**Hours/semester:** 16-36 Lecture; 24-108 Lab; 32-72 Homework

**Recommended:** Concurrent enrollment in, TEAM 100 or VARS 100

**AA/AS Degree Requirements:** Area 7; Area 9E2

**Transfer Credit:** CSU (CSU GE Area E2), UC
TEAM 191 BASEBALL THEORY: OFFENSE
Designed to help students understand the offensive fundamentals of playing and coaching baseball. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team offensive play in baseball. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1.5 - 3
Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework
Recommended: Concurrent enrollment in, TEAM 100
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 192 MEN'S BASKETBALL THEORY: DEFENSE
Designed to help students understand the defensive fundamentals of playing and coaching basketball. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team play in basketball. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1.5 - 3
Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework
Recommended: Concurrent enrollment in, VARS 110
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 193 MEN'S BASKETBALL THEORY: OFFENSE
Designed to help students understand the offensive fundamentals of playing and coaching basketball. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team play in basketball. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1.5 - 3
Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework
Recommended: Concurrent enrollment in, VARS 110
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 194 WOMEN'S BASKETBALL THEORY: DEFENSE
Designed to help students understand the fundamentals of playing and coaching women's basketball. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team play in women's basketball. Grade Option (Letter Grade or Pass/No Pass). Degree Credit. (May be taken four times for a maximum of 12 units.)

Units: 1.5 - 3
Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework
Recommended: Concurrent enrollment in, VARS 300
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 195 WOMEN'S BASKETBALL THEORY: OFFENSE
Designed to help students understand the fundamentals of playing and coaching women's basketball. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team play in women's basketball. Grade Option (Letter Grade or Pass/No Pass). Degree Credit. (May be taken four times for a maximum of 12 units.)

Units: 1.5 - 3
Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework
Recommended: Concurrent enrollment in, VARS 300
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 196 MEN'S SOCCER THEORY: DEFENSE
Designed to help students understand the fundamentals of playing and coaching soccer. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team defensive play in men's soccer. (May be taken four times for a maximum of 12 units.)

Units: 1.5 - 3
Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework
Recommended: Concurrent Enrollment in VARS 150
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 197 MEN'S SOCCER THEORY: OFFENSE
Designed to help students understand the fundamentals of playing and coaching men's soccer. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team offensive play in men's soccer. (May be taken four times for a maximum of 12 units.)

Units: 1.5 - 3
Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework
Recommended: Concurrent Enrollment in VARS 150
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC
times for a maximum of 12 units.) Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1.5 - 3

Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework

Recommended: Concurrent enrollment in VARS 150

AA/AS Degree Requirements: Area 7; Area 9E2

Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 198 WOMEN'S SOCCER THEORY: DEFENSE

Designed to help students understand the fundamentals of playing and coaching women's soccer. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team defensive play in soccer. (May be taken four times for a maximum of 12 units.) Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1.5 - 3

Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework

Recommended: Concurrent enrollment in VARS 360

AA/AS Degree Requirements: Area 7; Area 9E2

Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 199 WOMEN'S SOCCER THEORY, OFFENSE

Designed to help students understand the fundamentals of playing and coaching women's soccer. Students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual and team offensive play in women's soccer. (May be taken four times for a maximum of 12 units.) Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1.5 - 3

Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework

Recommended: Concurrent enrollment in VARS 360

AA/AS Degree Requirements: Area 7; Area 9E2

Transfer Credit: CSU (CSU GE Area E2), UC

TEAM 201 WRESTLING THEORY

Designed to help students understand the fundamentals of participating and coaching wrestling. By taking the course, students will gain knowledge about the history, philosophies, techniques and strategies related to the development of individual skills and strategies in wrestling. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1.5 or 3

Hours/semester: 16-18 Lecture; 24-108 Lab; 32-36 Homework

Recommended: Concurrent enrollment in, VARS 200.

AA/AS Degree Requirements: Area 7; Area 9E2

Transfer Credit: CSU (CSU GE Area E2), UC

Kinesiology - Varsity Sports

Participation in varsity sports is limited to those who possess the necessary skill level to compete in intercollegiate athletics. Competition takes place against colleges of the Coast Conference and other northern and southern California Community Colleges. Athletes must be enrolled in 12 units during their first semester of competition (9 of which must be academic). Student-athletes must maintain a 2.0 grade point average and have passed a cumulative 24 units (18 of which must be academic) to qualify for their second season of the same sport. Student-athletes can only compete in two years of the same sport. Participants must pass a physical examination prior to being released to compete. See Athletic Director for more information.

VARS 100 VARSITY BASEBALL

Intercollegiate varsity baseball competition in the Coast Conference; tournaments and post-season competition with other California Community Colleges. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 175-196.88 Lab

AA/AS Degree Requirements: Area 7; Area 9E2

Transfer Credit: CSU (CSU GE Area E2), UC

VARS 110 MEN'S VARSITY BASKETBALL

Intercollegiate men's varsity basketball competition in the Coast Conference and participation in regional and state tournaments. Letter Grade Only. Degree Credit.

Units: 1.5

Hours/semester: 100-112.5 Lab

AA/AS Degree Requirements: Area 7; Area 9E2

Transfer Credit: CSU (CSU GE Area E2), UC

VARS 150 MEN'S VARSITY SOCCER

Intercollegiate men's varsity soccer competition in the Coast Conference and participation in regional and state tournaments. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 175-196.88 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

VARS 200 VARSITY WRESTLING
Intercollegiate competition in dual matches in the Coast Conference; competition in several regional wrestling tournaments each year including Coast Conference matches, Northern California matches, and the State Championships. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 175-196.88 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

VARS 300 WOMEN’S VARSITY BASKETBALL
Intercollegiate women's varsity basketball competition in the Coast Conference and participation in regional and state tournaments. Letter Grade Only. Degree Credit.
Units: 1.5
Hours/semester: 100-112.5 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

VARS 340 WOMEN’S VARSITY VOLLEYBALL
Includes competition with other Northern California community colleges in Women's Varsity Volleyball. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 175-196.88 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

VARS 350 WOMEN’S VARSITY BADMINTON
Intercollegiate badminton competition with Northern California community colleges. Participation in the Coast Conference and regional tournaments. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 175-196.88 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

VARS 360 WOMEN'S VARSITY SOCCER
Intercollegiate women's varsity soccer competition in the Coast Conference and participation in regional and state tournaments. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 175-196.88 Lab
AA/AS Degree Requirements: Area 7; Area 9E2
Transfer Credit: CSU (CSU GE Area E2), UC

Learning Skills

LSKL 110 EFFECTIVE TUTORING AND PRACTICUM
Explores a variety of theoretical and practical teaching and learning strategies essential for planning, implementing, and evaluating effective peer-guided learning. Tutoring theory, best practices, communication and study strategies, course specific tutoring expertise, and techniques for working with students from diverse cultural and academic backgrounds are emphasized. Under guided supervision, students use class lessons and experiences to connect theory to practice. Upon completion of the course and 25 hours of guided tutoring experience, students are eligible for Level 1 CRLA ITTPC (International Tutor Training Program) Certification. Note: The one-unit version of the course does not contain the lab hours required for the ITTPC certification. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1 - 1.5
Hours/semester: 16-18 Lecture; -27 Lab; 32-36 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent. Completion of MATH 120, or MATH 122 and MATH 123, with a grade of C or better, or equivalent.
Transfer Credit: CSU

LSKL 800 SUPPLEMENTAL LEARNING ASSISTANCE
Students who need supplemental instruction in the course from which they are referred receive targeted academic support to reinforce course content and bolster academic skills. Students complete individualized learning activities in combination with academic tutoring to receive credit for this course. Under the supervision of qualified faculty members in the Learning Center, instructional aides and tutors provide individual and/or group instruction to improve learning in areas of assessed need. (Open entry.) (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.
Units: 0.5 - 2
Hours/semester: 24-108 Lab
Corequisites: Concurrent enrollment in the course for which the student needs academic support in order to succeed.

**LSKL 803 SUPERVISED TUTORING ASSISTANCE**
Students from referred courses will receive supplemental academic support to reinforce course content and bolster academic skills. Under the supervision of qualified faculty in the Learning Center, peer tutors will provide individual and/or group instruction to improve learning in areas of assessed need. (Open entry.) (Units do not count toward the Associate Degree.) No Grade Awarded (Non-Credit Course). Non-Credit.

**Units:** 0 or 0

**Hours/semester:** 24-162 Lab

**Corequisites:** Concurrent enrollment in the course for which the student needs academic support in order to succeed.

**LSKL 811 SUPPLEMENTAL LEARNING ASSISTANCE FOR FUNDAMENTALS OF MATH**
Designed for students who need Supplemental Learning Assistance in Fundamentals of Mathematics (MATH 811) to reinforce course content and bolster academic skills. Faculty, instructional aides, or peer tutors working under the supervision of qualified faculty members will provide individual and/or group instruction to improve learning in areas of assessed need. (Open entry.) (Not applicable to the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.

**Units:** 1

**Hours/semester:** 48-54 Lab

**Corequisites:** Concurrent enrollment in, MATH 811

**LSKL 828 SUPPLEMENTAL LEARNING ASSISTANCE FOR BASIC WRITING SKILLS**
Provides supplementary learning assistance to students enrolled in English 828 to reinforce course content and bolster academic skills. Faculty, instructional aides, or peer tutors working under the supervision of qualified faculty members will provide individual and/or group instruction to improve learning in areas of assessed need. (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.

**Units:** 0.5

**Hours/semester:** 24-27 Lab

**Corequisites:** Concurrent enrollment in, ENGL 828

**LSKL 890 MATH JAM**
Students who are seeking support in math to succeed in an upcoming math course will receive academic support to reinforce course content and bolster academic skills. Under the supervision of qualified faculty and staff in the Learning Center and Math Department, instructional aides or faculty will provide individual and/or group instruction to improve learning in areas of need in mathematics. (Not applicable to the Associate Degree.) No Grade Awarded (Non-Credit Course). Non-Credit.

**Units:** 0

**Hours/semester:** 28-31.5 Lab

**LSKL 892 CHEMISTRY JAM**
Designed for students who are preparing to take Chemistry 192, 210 or 410 to review foundational Chemistry concepts such as unit conversions, significant figures, balancing equations and stoichiometry while receiving academic support and instruction. Under the supervision of qualified faculty and staff in the Learning Center and Chemistry Department. (Does not apply toward the Associate Degree.) No Grade Awarded (Non-Credit Course). Non-Credit.

**Units:** 0

**Hours/semester:** 25-28.13 Lab

**Legal Studies**
See also listings under Paralegal Studies.

**LGST 200 RESTORATIVE JUSTICE**
Fundamental principles and processes of restorative justice and community corrections. Key topics include restorative justice as an alternative to current practices in the judicial and educational systems and the potential restorative justice presents for positive individual and community transformation. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU, UC

**Literature**
For information on the rotation of Literature courses, refer to the Rotation of Literature Courses list below the English (ENGL) Degree Listing.
LIT. 101 CONTEMPORARY LITERATURE
Read, interpret and analyze a representative selection of contemporary literary fiction, poetry and drama since WWII using some of the major theoretical approaches to literature. These readings offer not only a greater critical perspective and insight into contemporary history, but an enhanced understanding of ourselves within our own culture. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

LIT. 155 COMICS AND THE GRAPHIC NOVEL
Study of the history, structure, and content of the graphic novel, or comic book, a narrative form that blends literary and visual components. Includes analysis of primary sources and graphic novel criticism that explores the genre's cultural impact. Topics also may include fan culture, particular genres of comics, and connections between comics and other forms of visual text. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

C-ID: ENGL 130

LIT. 191 CHILDREN'S LITERATURE
An overview of the body of world literature deemed appropriate and enriching for children from infancy to adolescence. The course is designed to impart knowledge about and practice in storytelling techniques, as well as practical experience in presenting age-appropriate literature to children and youth. Theory and practice in discerning literary genres, criteria for selection, and techniques for using classic and contemporary literature with young people. Also listed as ECE. 191. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9C2

Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

LIT. 201 AMERICAN LITERATURE I
Study of American Literature from Native American narratives through the 19th century. Lectures, discussions, reading of primary and secondary works, and writing of critical papers. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)
C-ID: ENGL 130

LIT. 202 AMERICAN LITERATURE II
Study of American Literature from the mid 19th century to the present. Lectures, discussions, reading of primary and secondary works, and writing of critical papers. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105 or equivalent
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)
C-ID: ENGL 135

LIT. 221 INTRODUCTION TO WORLD LITERATURE II
Study of representative works from the genres of selected works (poetry, prose, drama, and film), in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from the mid or late seventeenth century to the present. Includes analysis of primary sources and literary criticism as well as how the genre interacts with mythology, philosophy, mass media, and popular culture. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)
C-ID: ENGL 145

LIT. 231 SURVEY OF BRITISH LITERATURE I
Study of the typical works of major British writers from the 8th to the 18th Century. Lectures, discussions, related readings, and writing of critical papers. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)
C-ID: ENGL 160

LIT. 232 SURVEY OF BRITISH LITERATURE II
Study of the typical works of major British writers from the 19th Century to the present. Lectures, discussions, related readings, and writing of critical papers. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)
C-ID: ENGL 165

LIT. 251 WOMEN IN LITERATURE
A study of the historical, sociopolitical, and cultural concerns of women as these appear in novels, short stories, and poetry. A glimpse into the struggle for self-identity and the forces that interact in the course of this struggle. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

LIT. 266 BLACK LITERATURE
A survey of Black American literature from 1619 to the present. Literature, such as autobiographical works, poetry, short stories, drama, folk tales, novellas, and novels, will be included to introduce and explore the qualities of Black American writing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

LIT. 267 FILIPINO AMERICAN LITERATURE
A survey of Filipino American writing of the twentieth and twenty-first century will acquaint students with the issues that these American writers of Filipino descent address as they move between different societies. The literature reflects the unique background of shared language and history, as well as the contrasts between the cultures of the Philippines and the United States. Material will be presented in a variety of genres. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

LIT. 370 READINGS IN LITERATURE OF THE LATINO IN THE UNITED STATES
A study of the historical, sociopolitical, and cultural concerns of Latinos in the U.S. as these appear in novels, short stories, and poetry. A glimpse into the struggle for self-identity and the forces that interact in the course of this struggle. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)
LIT. 432 FOLKLORE
A lively study of folk tales, legends, beliefs, superstitions, proverbs, mythology, folk life, folk speech, folk songs, lyrics, folk epics, and their influence in the literature and culture that form our heritage. Special attention will be given to folklore of various racial and ethnic groups that mold American society. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

Management
See also listings under Business.

MGMT 100 INTRODUCTION TO BUSINESS MANAGEMENT
An introduction to successful management strategies and tactics that focus on the most important areas for business today: planning, organizing, motivating, leading, and controlling. Emphasizes the roles and responsibilities of the management team in all sizes and types of businesses. Includes discussion of ethical considerations in terms of social and environmental impacts of business. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

MGMT 101 INTRODUCTION TO HUMAN RESOURCES MANAGEMENT
An introduction course that examines the fundamentals of human resources management which includes employee motivation, labor relations, employee performance and culture and diversity in the workplace. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU

MGMT 150 HUMAN RESOURCES LAW AND LABOR RELATIONS
Exploration of federal and state employment laws and regulations, including EEO, prohibition of discrimination, harassment and retaliation, disability rights in the workplace, family leave laws and worker's compensation. Understanding of organized labor in the United States; union relations, collective bargaining; contract negotiations, and grievance procedures. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

MGMT 151 HUMAN RESOURCES COMPENSATION AND BENEFITS
Introduction to compensation and benefits development and administration. Compliance with pay regulations, assessing benefit plans and pension systems. Incentive pay and wellness program components and considerations. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

MGMT 152 HUMAN RESOURCES TALENT ACQUISITION AND PERFORMANCE
Examination of the fundamental concepts and techniques for hiring and developing employees within an organization. The course examines the identification, recruitment, selection, on-boarding and promoting of employees within an organization. In addition, the course focuses on performance management; the process for developing high performing employees and managing low performing employees. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

MGMT 153 MANAGING CULTURE AND DIVERSITY
An in depth exploration to the theory, practices and implementation of creating a diverse and culturally aware company and workforce. Topics include how ethnicity, race,
sexual orientation, gender age and physical ability affect employee motivation and experiences, pay gap, ethics, value of diversity, cultural competence and managing issues of harassment, racism and discrimination. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Transfer Credit: CSU

MGMT 450 FUNDAMENTALS OF CONSTRUCTION MANAGEMENT
Introductory survey of basic concepts in construction management, including: industry overview, construction phases, project participant roles, estimation, bidding and contracts, licensing and legal issues, construction documents and office procedures, insurance and financing, construction accounting, project scheduling, project controls, construction project management software, safety concerns and issues, and leadership and supervisory/employee relationships. Also listed as ESTM 450. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. MATH 811 or equivalent.
Transfer Credit: CSU

MGMT 452 OSHA 10 CONSTRUCTION INDUSTRY TRAINING
Occupational Safety and Health Administration (OSHA) Standards, policies, and procedures in the construction industry. Topics include scope and application of the OSHA Construction Standards, construction safety and health principles, and special emphasis on those areas in construction which are most hazardous. Upon course completion students will have the ability to define construction terms found in the OSHA Construction Standards, identify hazards which occur in the construction industry, locate and determine appropriate OSHA Construction Standards, policies, and procedures, and describe the use of the OSHA Construction Standards and regulations to supplement an ongoing safety and health program. Also listed as ESTM 452. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework

Mathematics
Students are encouraged to take the Math placement tests prior to initial placement in courses. Math placement tests are given to students to assist the counselor and the division in guiding them to the appropriate Math course. Proper placement in Math assures that students will begin their college studies in courses where they will have the best chance of success. Initial placement in classes is recommended on the basis of test scores. The tests are given on announced dates throughout the year. The normal sequence of courses for Mathematics majors is 110, 115, 120, 130, 222, 251, 252 and 253. All students are encouraged to meet with a counselor to determine the correct sequence of Math classes for all majors. Prerequisites for the various courses are detailed in the descriptions that follow. Questions regarding equivalency of courses, transfer credit, and the like should be referred to the Division Dean.

Mathematics courses may require a minimum of one hour by arrangement per week in addition to class hours.
MATH 110 ELEMENTARY ALGEBRA

An introduction to elementary algebra emphasizing basic algebra concepts and those skills necessary to apply the concepts to real life problem solving. Topics will provide an introduction to symbol manipulation, and the analytical methods for solving application problems appropriate to the introductory level. A core of mathematical topics including: real numbers, order of operations, linear equations and graphs, and systems of linear equations will be presented. A TI graphing calculator is required for the course. (Units do not count toward the Associate Degree.) Letter Grade Only. Units do not apply toward AA/AS degree.

Units: 5
Hours/semester: 80-90 Lecture; 16-18 TBA; 144-162 Homework
Prerequisites: MATH 811 or appropriate score on District math placement test and other measures as appropriate, or equivalent.

MATH 115 GEOMETRY

A study of Euclidean geometry with aspects of analytic geometry covering plane and solid figures, the Cartesian coordinate system and using formal logic. Letter Grade Only. Degree Credit.

MATH 120 INTERMEDIATE ALGEBRA

Extension of fundamental algebraic concepts and operations, solutions of linear and quadratic equations, individually and in systems, logarithms, exponentials, radical equations, rational equations, complex numbers, and an extension of the concepts of functions. An emphasis on modeling real life situations. Letter Grade Only. Degree Credit.

Units: 5
Hours/semester: 64-72 Lecture; 128-144 Homework
Prerequisites: MATH 110 or MATH 112 or appropriate placement test score and other measures as appropriate, or equivalent.

AA/AS Degree Requirements: 3b

MATH 130 TRIGONOMETRY

Trigonometric functions of real numbers and angles; solution of triangles; radian measure; graphs of trigonometric functions; trigonometric equations and identities; inverse trigonometric functions; complex numbers; applications of trigonometry. A TI-83, 83+, 84, or 84+ graphing calculator is required for the course. Letter Grade Only. Degree Credit.

Units: 4
Hours/semester: 64-72 Lecture; 128-144 Homework
Prerequisites: MATH 120 or MATH 123 or appropriate placement test score and other measures as appropriate, or equivalent.

Recommended: MATH 115 or equivalent.

AA/AS Degree Requirements: 3b; Area 9A3
Transfer Credit: CSU (CSU GE Area B4)

MATH 150 MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS

Intended for future elementary school teachers. Topics include basic set theory, elementary number theory, numeration, number systems and operations, and problem solving techniques associated with the real number system. Letter Grade Only. Degree Credit.
MATH 190 PATH TO STATISTICS
An accelerated course to prepare students for transfer-level Statistics (MATH 200), Quantitative Reasoning (MATH 201), and Quantitative Reasoning in Psychology (PSYC 171). It covers core concepts from elementary algebra, intermediate algebra, and descriptive statistics. Topics include ratios, rates, and proportional reasoning; arithmetic reasoning using fractions, decimals, and percents; evaluating expressions, solving equations, analyzing algebraic forms to understand statistical measures; use of linear, quadratic, absolute value, exponential, and logarithmic functions to model bivariate data; graphical and numerical descriptive statistics for quantitative and categorical data. This course is designed for students who do not want to major in fields such as math, science, computer science, and business. Note: This course is NOT intended for students who plan to study science, technology, engineering, math, as well as business and other non-STEM majors. Students are advised to meet with a counselor to discuss whether placement in this class is appropriate for their intended major. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: MATH 120 or MATH 123 or MATH 190 or appropriate placement test score and other measures as appropriate, or equivalent.
AA/AS Degree Requirements: 3b; Area 9A3
Transfer Credit: CSU (CSU GE Area B4), UC (IGETC Area 2A)
C-ID: MATH 120

MATH 201 MATH IN SOCIETY
Development of the necessary concepts and skills for reasoning logically and quantitatively and applies these concepts to practical, real-life situations. Topics include: number systems, logic, geometry, probability and statistics, linear and exponential modeling. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 16-18 TBA; 80-90 Homework
Prerequisites: MATH 120 or MATH 123 or MATH 190 or appropriate placement test score and other measures as appropriate, or equivalent.
AA/AS Degree Requirements: 3b; Area 9A3
Transfer Credit: CSU (CSU GE Area B4), UC (IGETC Area 2A)

MATH 222 PRECALCULUS
Functional and graphing approach to the concepts and skills necessary as background for success in Calculus. Study of more advanced algebra, including logic, theory of equations, translation, rotation and composition approach to graphing, exponential and logarithmic functions, conic sections and a brief review of trigonometry. Letter Grade Only. Degree Credit.

Units: 5
Hours/semester: 80-90 Lecture; 16-18 TBA; 144-162 Homework
Prerequisites: MATH 130 or equivalent.
AA/AS Degree Requirements: Area 9A3
Transfer Credit: CSU (CSU GE Area B4), UC (IGETC Area 2A)

MATH 225 PATH TO CALCULUS
Equivalent to MATH 130 and 222. This accelerated course combines the topics of Trigonometry and Pre-Calculus and is designed to fulfill the requirements of both courses in a single course. Topics include a study of functions, function families, their properties and transformations, compositions, inverses and combinations, complex numbers, and vectors. Function families include linear, trigonometric, logarithmic, exponential, polynomial, power,
and rational. Multiple representations of functions are emphasized. Letter Grade Only. Degree Credit.

**Units:** 6

**Hours/semester:** 96-108 Lecture; 192-216 Homework

**Prerequisites:** MATH 120 or MATH 123 or appropriate score on the District math placement test and other measures as appropriate.

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**MATH 241 APPLIED CALCULUS I**

Basic techniques of differential and integral calculus of functions of one variable, including polynomial, rational, exponential, logarithmic and exponential functions. Selected topics from applications in analytic geometry, limits, differentiation, applications of the derivative, and applications of the integral. Letter Grade Only. Degree Credit.

**Units:** 5

**Hours/semester:** 80-90 Lecture; 16-18 TBA; 144-162 Homework

**Prerequisites:** MATH 120 or MATH 123 or appropriate placement test score and other measures as appropriate, or equivalent.

**AA/AS Degree Requirements:** 3b; Area 9A3

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**MATH 242 APPLIED CALCULUS II**


**Units:** 3

**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework

**Prerequisites:** MATH 130 and MATH 241 or equivalent.

**AA/AS Degree Requirements:** Area 9B1

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**MATH 243 BUSINESS CALCULUS II WITH TRIGONOMETRY**

The second half of a two-semester calculus sequence designed for business and applied science majors. Topics include the integral, techniques of integration, an introduction to trigonometry, multivariable calculus, and differential equations. Letter Grade Only. Degree Credit.

**Units:** 4

**Hours/semester:** 64-72 Lecture; 128-144 Homework

**Prerequisites:** MATH 241 or equivalent.

**AA/AS Degree Requirements:** 3b; Area 9A3

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**C-ID:** MATH 210, MATH 900S

**MATH 251 CALCULUS WITH ANALYTIC GEOMETRY I**

The study of limits and continuity, the derivative, applications of the derivative, the definite integral, and the fundamental theorem of calculus. Primarily for science, technology, engineering, and math majors. Letter Grade Only. Degree Credit.

**Units:** 5

**Hours/semester:** 80-90 Lecture; 16-18 TBA; 144-162 Homework

**Prerequisites:** MATH 222 or MATH 225 or appropriate placement test score and other measures as appropriate, or equivalent.

**AA/AS Degree Requirements:** Area 9A3

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**C-ID:** MATH 210, MATH 900S

**MATH 252 CALCULUS WITH ANALYTIC GEOMETRY II**

The study of applications of the definite integral, techniques of integration involving polynomial, rational, trigonometric, inverse trigonometric, exponential, and logarithmic functions, vectors, differentiation and integration of functions in polar coordinates and parametric form, analysis of sequences, series, and power series, including differentiation and integration of power series, Taylor series, and Fourier series. Note: TI-83 or TI-84 Graphing Calculator required. Letter Grade Only. Degree Credit.

**Units:** 5

**Hours/semester:** 80-90 Lecture; 16-18 TBA; 144-162 Homework

**Prerequisites:** MATH 251 or equivalent.

**AA/AS Degree Requirements:** Area 9A3

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**C-ID:** MATH 220, MATH 900S

**MATH 253 CALCULUS WITH ANALYTIC GEOMETRY III**

The study of vector valued functions, sequences and series, Taylor’s formula, multivariable functions, differential calculus and integral calculus of multivariable functions, line and surface integrals and differential equations, Green’s
Theorem, Stokes' Theorem, divergence theorem. Note: TI-83 or TI-84 Graphing Calculator required. Letter Grade Only. Degree Credit.

**Units:** 5

**Hours/semester:** 80-90 Lecture; 16-18 TBA; 144-162 Homework

**Prerequisites:** MATH 252 or equivalent

**AA/AS Degree Requirements:** Area 9A3

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**C-ID:** MATH 230

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**MATH 270 LINEAR ALGEBRA**

The study of systems of linear equations, the algebra of matrices, determinants, vector spaces, linear transformations, the algebra of linear transformations with an introduction to dual spaces, eigenvalues and eigenvectors, and the applications of vectors and matrices to linear equations and linear transformations. Letter Grade Only. Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework

**Prerequisites:** MATH 252 or equivalent.

**AA/AS Degree Requirements:** Area 9A3

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**C-ID:** MATH 250

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**MATH 275 ORDINARY DIFFERENTIAL EQUATIONS**

The first course in ordinary differential equations including quantitative and qualitative methods incorporating a variety of applications from many disciplines. Theoretical aspects of differential equations including existence of solutions and techniques for finding solutions including power series (infinite series) solutions, ordinary points, singular points, linear systems, nonlinear systems, dynamical systems, Laplace transforms and operator techniques. Letter Grade Only. Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework

**Prerequisites:** MATH 253 or equivalent.

**AA/AS Degree Requirements:** Area 9A3

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**C-ID:** MATH 250

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**MATH 650 MATHEMATICS SUPPLEMENT**

Based on individual needs, students will have directed learning experiences to improve their mathematical skills which will promote mastery of skills necessary for success in college level mathematics and science courses. These supplementary lessons will be arranged and supervised in the Math Assistance Lab of The Learning Center. Class hours are devoted to work on specific content areas as prescribed for the individual student. (Open entry.) Units do not count toward the Associate Degree. Pass/No Pass Only. Units do not apply toward AA/AS degree.

**Units:** 0.5 - 2

**Hours/semester:** 24-108 Lab

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**MATH 800 JUST-IN-TIME SUPPORT FOR ELEMENTARY PROBABILITY & STATISTICS**

A review of the core prerequisite skills, competencies, and concepts needed in statistics. Intended for students who are concurrently enrolled in MATH 200, Elementary Statistics, at Skyline 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. (Units do not count toward Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.

**Units:** 2

**Hours/semester:** 32-36 Lecture; 64-72 Homework

**Corequisites:** MATH 200

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**MATH 819 MATHEMATICS DEVELOPMENT**

Prepares students for college-level Mathematics. Topics include whole numbers, decimals, fractions, percents, ratio and proportion, measurement, geometry, statistics, introductory symbolic manipulation, order of operations and analytic methods for solving linear applications. Course emphasis will be on using these ideas and skills to solve problems from everyday life. Students will be required to complete individual and collaborative work with assignments both in-class, outside class. Students will be required to use tutoring facilities for assignments as well. Note: This course does not replace any course in Skyline College’s required course sequence based on placement testing. (Units do not count toward the Associate Degree.) Letter Grade Only. Units do not apply toward AA/AS degree.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

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MATH 820 JUST-IN-TIME SUPPORT FOR INTERMEDIATE ALGEBRA
A review of the core prerequisite skills, competencies, and concepts for intermediate algebra. Intended for students who are concurrently enrolled in MATH 120, Intermediate Algebra, at Skyline College. Review topics include: computational skills developed in pre-algebra, the vocabulary of algebra, translation from English to algebra, and evaluation of literal expressions and functions. Topics covered in more depth include: solving and graphing linear equations and inequalities in one and two variables, solving and graphing systems of equations in two variables, factoring, algebraic operations on polynomial and rational expressions, solving quadratics using factoring, and rational equations. Recommended for students with little or no recent knowledge of algebra. A graphing calculator is required for this course. (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Corequisites: MATH 120

MATH 825 JUST-IN-TIME SUPPORT FOR PATH TO CALCULUS
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 225, Path to Calculus. 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, functions including composition and inverses, an in-depth focus on quadratic functions, and a review of topics from geometry. Pass/No Pass Only. Units do not apply toward AA/AS degree.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Corequisites: MATH 225

MATH 830 JUST-IN-TIME SUPPORT FOR ANALYTICAL TRIGONOMETRY
A review of the core prerequisite skills, competencies, and concepts needed in trigonometry. Intended for students who are concurrently enrolled in MATH 130, Analytical Trigonometry. Pass/No Pass Only. Units do not apply toward AA/AS degree.

Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Corequisites: MATH 130

MATH 841 JUST-IN-TIME SUPPORT FOR APPLIED CALCULUS I
A review of the core prerequisite skills, competencies, and concepts needed in college algebra. Intended for majors in science, technology, engineering, and mathematics who are concurrently enrolled in MATH 241, Applied Calculus I, at Skyline 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, and an in-depth focus on quadratic functions. Appropriate for students who are confident in their graphing and beginning algebra skills. A graphing calculator is required. (Units do not count toward the Associate Degree.) Pass/No Pass Only. Units do not apply toward AA/AS degree.

Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Corequisites: MATH 241

MATH 890 JUST-IN-TIME SUPPORT FOR PATH TO STATISTICS
A review of the core prerequisite skills, competencies, and concepts needed in pre-statistics. Intended for students who are concurrently enrolled in MATH 190, Path to Statistics. Topics include basic arithmetic involving whole numbers, signed numbers, fractions, and decimals; estimation, number sense, and order of operation. Pass/No Pass Only. Units do not apply toward AA/AS degree.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Corequisites: MATH 190

Medical Assisting
MEDA 415 LAW AND ETHICS FOR ALLIED HEALTH PROFESSIONALS
Legal relationships of physicians and patients, contractual agreements, professional liability, malpractice, medical practice acts, informed consent, and bio-ethical issues. Emphasis is placed on legal terms, professional attitudes, and the principles and basic concepts of ethics and laws involved in providing medical services for the allied health professional. Letter Grade Only. Degree Credit.

Units: 2
**MEDA 484 MEDICAL TERMINOLOGY**

Designed to give students a basic background in medical terminology as used by medical transcriptionists, court reporters, law related occupations, and allied health occupations. The prefixes, roots, and suffixes of commonly used medical words are presented. Proper names of anatomical structures and their relationship to each other are covered by body system. Also listed as HSCI 484. Letter Grade Only. Degree Credit.

**Units:** 3
**Hours/semester:** 48-54 Lecture; 96-108 Homework
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.
**Transfer Credit:** CSU

**Music**

The courses of the Music Department are specifically designed to fill the needs of the beginner in music, those who are seeking a career in the music business, those who are preparing to transfer to a university, those who want to teach music, and those who simply want to enhance their musical enjoyment.

Students may be asked to audition or test for placement in sequential courses.

Music activity courses are subject to repeatability limitations. Students are now limited to a maximum of four courses per family. A family of courses may contain more than four courses. If there are more than four courses in a particular family, a student may only enroll in a maximum of four total courses within that family. A course previously taken by a student (prior to the legislation) within the identified family will count as a repeat and limit future enrollments of courses within that family to a maximum of four.

Music activity courses are offered in levels by progression. Courses are listed by title; for example, Piano, Guitar, etc., and then by level. Level I is beginning; Level II is intermediate; Level III is intermediate/advanced; and Level IV is advanced. The course number also indicates the level. For example, a beginning Piano class would be listed as MUS. 301.1, Piano I while an advanced Piano class would be MUS. 301.4, Piano IV.

New students are advised to enroll in the beginning level and be placed by their instructor upon assessment.

Continuing students who have previously taken a course within a family, must progress to the next level.

**MUS. 100 FUNDAMENTALS OF MUSIC**

Introduction to theoretical elements and notation of Western music cultures, demonstrated through a variety of styles with a focus on pitch and rhythm concepts and structures, basic formal elements, and fundamental musicianship. Students learn music notation skills for a "hands on" experience of the traditions they explore, with an emphasis on creative problem solving skills. In addition to interpreting music, written and aurally, students develop critical thinking skills through exploration of cultural and historical contexts that influenced the creation of the music structures (i.e. modes, scales, keyboard, etc.) and critique different musical genres and styles aesthetically by applying criteria from music theory learned in class. Concert attendance may be required. Letter Grade Only. Degree Credit.

**Units:** 3
**Hours/semester:** 48-54 Lecture; 96-108 Homework
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.
**Transfer Credit:** CSU (CSU GE Area C1), UC (IGETC Area 3A)
**C-ID:** MUS 110

**MUS. 105 MUSIC THEORY I**

Extended practice in and application of written music theory skills incorporating and developing music fundamentals. Through guided composition and analysis, students begin study of functional tonal harmony. Topics include chord function theory, phrase structures and cadences, two-voice counterpoint, and four-part voice leading principles. Letter Grade Only. Degree Credit.

**Units:** 3
**Hours/semester:** 48-54 Lecture; 96-108 Homework
**Prerequisites:** MUS. 100 or MUS. 301 or MUS. 377 or MUS. 401 or equivalent.
**Recommended:** Concurrent enrollment in MUS. 111.
**AA/AS Degree Requirements:** Area 9C1
**Transfer Credit:** CSU (CSU GE Area C1), UC
**C-ID:** MUS 120

**MUS. 106 MUSIC THEORY II**

Incorporates and builds on concepts introduced in MUS 105. Through four-part chorale writing, analysis and music composition, students continue studies in functional tonal harmony. Topics include: non-dominant seventh chords, III and VII chords, diatonic sequences, applied chords, diatonic
modulation and formal analysis of binary and ternary forms. 

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** MUS. 105 or equivalent.  
**Recommended:** Concurrent enrollment in, MUS. 112  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 130

**MUS. 107 MUSIC THEORY III**
Incorporates and builds on concepts introduced in MUS. 106. Through four-part chorale writing, analysis and music composition, students continue studies in functional tonal harmony. Topics include: introduction to advanced chromatic harmony, secondary/applied chords; modulation; borrowed chords; introduction to Neapolitan and augmented-sixth chords. 

**Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** MUS. 106 or equivalent.  
**Recommended:** Concurrent enrollment in, MUS. 113  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 140

**MUS. 108 MUSIC THEORY IV**
Incorporates and builds on concepts introduced in MUS. 107. Through four-part chorale writing, analysis and music composition, students study late-Romantic techniques such as borrowed chords and modal mixture, chromatic mediants, Neapolitan and augmented-sixth chords, 9th, 11th and 13th chords, altered chords, and enharmonic modulation. Through analysis and music composition, students study twentieth-century techniques such as: Impressionism, tone rows, set theory, pandiatonicism and polytonalism, and advanced approaches to meter and rhythm. 

**Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** MUS. 107 or equivalent.  
**Recommended:** Concurrent enrollment in, MUS. 114  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 150

**MUS. 111 MUSICIANSHP I**
Extended practice and application of rhythmic, melodic and harmonic materials of Music Theory I through ear training, sight singing, analysis, and dictation skills. Topics include: tonality, meter, rhythmic and pitch notation, intervals, triads. 

**Letter Grade Only. Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 100 or MUS. 301 or MUS. 377 or MUS. 401 or equivalent.  
**Recommended:** Concurrent enrollment in, MUS. 105  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 125

**MUS. 112 MUSICIANSHP II**
Incorporates and builds on concepts introduced in MUS. 111. Further development of ear training and sight singing skills. Topics include: sight singing of triads and seventh chords, second-layer subdivision, and harmonic dictation of diatonic progressions. 

**Letter Grade Only. Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 111 or equivalent.  
**Recommended:** Concurrent enrollment in, MUS. 106  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 135

**MUS. 113 MUSICIANSHP III**
Incorporates and builds on concepts introduced in MUS. 112. Further development of ear training and sight singing skills. Topics include: triplets/duplets, syncopations, chromatic alterations, and modulation to closely-related keys. 

**Letter Grade Only. Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 112 or equivalent.  
**Recommended:** Concurrent enrollment in MUS. 107.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 145

**MUS. 114 MUSICIANSHP IV**
Incorporates and builds on concepts introduced in MUS. 113. Further development of ear training and sight singing skills. Topics include: advanced chromaticism including modulation to distantly-related keys, diatonic modes, non-diatonic and synthetic scales, pitch sets and tone rows,
irregular beat division, polyrhythms, asymmetrical meters, mixed meters. *Letter Grade Only. Degree Credit.*

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 113 or equivalent.  
**Recommended:** Concurrent enrollment in MUS. 108.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 155

**MUS. 115 MUSIC, ART AND IDEAS**

A multi-faceted examination and analysis of art and music as reflections of cultural ideas and traditions. The student will develop an informed appreciation of the visual arts, performance arts and musical works. Also listed as ART 115  
*Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 9C1  
**Transfer Credit:** CSU (CSU GE Area C1), UC (IGETC Area 3A)

**MUS. 202 MUSIC APPRECIATION**

Learn effective music listening skills to enhance musical enjoyment. Learn musical terms and devices and apply to various styles of music such as popular, folk, classical, and jazz. Consider the different meanings music can have in history, ritual, entertainment, film and other contexts. Concert attendance may be required. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 9C1  
**Transfer Credit:** CSU (CSU GE Area C1), UC (IGETC Area 3A)  
**C-ID:** MUS 100

**MUS. 204 MUSIC HISTORY**

A guided tour through the history of the music of Western Civilization with the aim of broadening and deepening student awareness and appreciation of changing modes of musical expression across the centuries. Covers Medieval, Renaissance, Baroque, Classical, Romantic, Modern, and Popular music genres. Concert attendance may be required.  
*Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 9C1  
**Transfer Credit:** CSU (CSU GE Area C1), UC (IGETC Area 3A)

**MUS. 250 WORLD MUSIC**

Survey of selected listening and readings from the music of India, China, Japan, Korea, Indonesia, Pacific Islands, Americas, Africa, and Middle East. A variety of media, guest speakers, and/or performers may be included. Required concert attendance. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 5b; Area 9C1  
**Transfer Credit:** CSU (CSU GE Area C1), UC (IGETC Area 3A)

**MUS. 275 HISTORY OF JAZZ**

Understanding and enjoying music by studying the historical development of jazz from a musical and sociological perspective. Topics include discussion of musical elements, vocal and instrumental ensembles, artistic values, and the role of jazz in our culture. Concert attendance may be required. Partially fulfills general
education requirement for the Humanities. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.

**AA/AS Degree Requirements:** Area 9C1  
**Transfer Credit:** CSU (CSU GE Area C1), UC

### MUS. 276 HIP HOP: CULTURE AND POLITICS

Examination of all aspects of the culture and politics of Hip Hop through the lens of Urban Music. Influences from Funk and Jazz are covered. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**AA/AS Degree Requirements:** Area 5b; Area 9C1, 9C2  
**Transfer Credit:** CSU (CSU GE Area C1, C2), UC (IGETC Area 3A, 3B)

### MUS. 277 AFRICAN AMERICAN MUSIC

Explores the history, stylistic richness, and variety of African American music in the United States from the 17th century to the present. Examines the character and influence of traditional West African music on the development of American musical genres including: Spirituals, Blues, Jazz, R&B, Soul, Funk and Hip-Hop. Includes discussion and analyses of the critical issues, creative ideas and social events which informed and shaped its development and its impact and influence on contemporary American culture, race relations, and politics. Works of major black composers and performers will be studied including their influence on composers of other cultures. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.

**AA/AS Degree Requirements:** Area 5b; Area 9C1, 9C2  
**Transfer Credit:** CSU (CSU GE Area C1, C2), UC (IGETC Area 3A, 3B)

### MUS. 290 INTRODUCTION TO MIDI MUSIC

(MUSICAL INSTRUMENT DIGITAL INTERFACE)

Create music using current MIDI (Musical Instrument Digital Interface) technology and recording studio hardware and software including: DAW (Digital Audio Workstation), audio and MIDI editing, audio effects processing, mixing, sampling, synthesizers, drum machines, and sound design. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3  
**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework  
**Transfer Credit:** CSU, UC

### MUS. 294 INTRODUCTION TO MUSIC TECHNOLOGY

Examines the terminology, equipment, techniques, and concepts related to music technology. The course will survey the principles and practices of sound, MIDI, synthesis, notation, and audio recording utilizing hardware and software platforms. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3  
**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework  
**Transfer Credit:** CSU

### MUS. 299 ELECTRONIC MUSIC PRODUCTION

Introduction to the techniques and elements of electronic music production. Topics include synthesis, sampling, and MIDI sequencing. Compositions are expected of students utilizing electronic music techniques. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3  
**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework  
**Prerequisites:** MUS. 290 or MUS. 294 or equivalent.  
**Transfer Credit:** CSU

### MUS. 301 PIANO I

Beginning piano with emphasis on music reading fluency, technical facility, and performance of beginning piano literature. Concert attendance may be required. Letter Grade Only. Degree Credit.

**Units:** 2  
**Hours/semester:** 24-27 Lecture; 24-27 Lab; 48-54 TBA  
**Recommended:** MUS. 100 or equivalent.  
**AA/AS Degree Requirements:** Area 9C1
Transfer Credit: CSU (CSU GE Area C1), UC

MUS. 302 PIANO II
Continuation of MUS. 301 with emphasis on music reading fluency, technical facility and performance of advanced-beginning piano literature. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 301 or equivalent.
Transfer Credit: CSU, UC

MUS. 303 PIANO III
Continuation of MUS. 302 with emphasis on music reading fluency, technical facility and performance of intermediate piano literature. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 302 or equivalent.
Transfer Credit: CSU, UC

MUS. 304 PIANO IV
Continuation of MUS. 303 with emphasis on music reading fluency, technical facility and performance of advanced-intermediate piano literature. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 303 or equivalent.
Transfer Credit: CSU, UC

MUS. 355 VIOLIN/VIOLA I
Introduction to the fundamentals of playing the violin or viola. Students will learn proper posture and basic playing techniques through the practice of exercises and short pieces. Elements of music notation and music theory will be introduced. Students must provide their own instrument. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 100 or equivalent.
Transfer Credit: CSU, UC

MUS. 356 VIOLIN/VIOLA II
Continued development of basic playing skills appropriate for the advanced beginner. Students will expand upon and strengthen skills (bowing and left hand technique) learned in MUS. 355. Musical expression, sight-reading, and ensemble skills will be introduced. Skills will be developed through exercises and short pieces. Students must provide their own instrument. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 355 or equivalent, or by audition.
Transfer Credit: CSU, UC

MUS. 357 VIOLIN/VIOLA III
Refinement of basic playing skills, and development of technique appropriate for the intermediate player. Students will expand upon and strengthen skills (bowing and left hand technique) learned in MUS. 356. Technique, musical expression, sight-reading, ensemble skills, and third position will be developed through exercises and short pieces. Students must provide their own instrument. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 356 or equivalent, or by audition.
Transfer Credit: CSU, UC

MUS. 358 VIOLIN/VIOLA IV
Further refinement of basic playing skills, and development of technique appropriate for the advanced intermediate player. Students will expand upon and strengthen skills (bowing and left hand technique) learned in MUS. 357. Musical expression, sight-reading, ensemble skills, and vibrato will be developed through exercises and short pieces. Students must provide their own instrument. Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 357 or equivalent, or by audition.
Transfer Credit: CSU, UC

MUS. 377 GUITAR I
Introduction to guitar technique and performance. Areas covered include stringing, tuning, fingering, playing techniques, notation, chords and chord progressions, reading guitar music, strum techniques, fingerpicking, playing simple melodies and accompaniment. Emphasis on popular and folk music literature. Introduction to music theory for the guitar. Students must provide their own instrument. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
COURSE DESCRIPTIONS

Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Recommended: MUS. 100 or equivalent.
Transfer Credit: CSU, UC

MUS. 378 GUITAR II
Continuation of guitar technique and performance skills begun in MUS 377. Areas covered include barre-chords, CAGED chord/scale theory, blues scales, accompaniment techniques, and major and minor scale patterns. Emphasis on popular music literature. Advanced beginning music theory for the guitar. Students must provide their own instrument. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 377 or equivalent.
Transfer Credit: CSU, UC

MUS. 379 GUITAR III
Refinement of intermediate guitar performance skills begun in MUS. 377 & 378. Areas covered include principles of moveable chord and scale structure (CAGED), advanced strumming and fingerpicking patterns, intermediate theory (scale, secondary dominants, and motif development), improvisation, arpeggios and reading music. Emphasis on American music literature. Students must provide their own instrument. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 378 or equivalent.
Transfer Credit: CSU, UC

MUS. 380 GUITAR IV
Further refinement of advanced intermediate guitar technique and performance skills begun in MUS. 377, 378, & 379. Areas covered include motif development, improvising, three notes per string scales, blues techniques, counterpoint, walking bass, modern rhythmic techniques and other advanced intermediate guitar techniques. Additional techniques from Doo-Wop, Rhythm and Blues, and Rock in a small ensemble. Students must provide their own instrument. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 379 or equivalent.
Transfer Credit: CSU, UC

MUS. 383.1 GUITAR ENSEMBLE I
A course for guitarists in techniques from Doo-Wop to Rhythm and Blues to Rock in a small ensemble at the beginning level. Students work extensively on these styles and within the application with the intention of public performance. Public performance required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 48-54 Lab
Transfer Credit: CSU, UC

MUS. 383.2 GUITAR ENSEMBLE II
A course for guitarists in techniques from Doo-Wop to Rhythm and Blues to Rock in a small ensemble at the advanced beginning level. Students work extensively on these styles and within the application with the intention of public performance. Public performance required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 48-54 Lab
Prerequisites: MUS. 383.1 or equivalent.
Transfer Credit: CSU, UC

MUS. 383.3 GUITAR ENSEMBLE III
A course for guitarists in techniques from Doo-Wop to Rhythm and Blues to Rock in a small ensemble at the intermediate level. Students work extensively on these styles and within the application with the intention of public performance. Public performance required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 48-54 Lab
Prerequisites: MUS. 383.2 or equivalent.
Transfer Credit: CSU, UC

MUS. 383.4 GUITAR ENSEMBLE IV
A course for guitarists in techniques from Doo-Wop to Rhythm and Blues to Rock in a small ensemble at the advanced intermediate level. Students work extensively on these styles and within the application with the intention of public performance. Public performance required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1
Hours/semester: 48-54 Lab
Prerequisites: MUS. 383.3 or equivalent.
MUS. 401 VOICE I
Basic training in vocal technique and performance skills for the beginning singer. Course content includes introductions to vocal technique (posture, initiating tone), singing anatomy (vocal tract), song preparation (practicing), music theory fundamentals (basic pitch and rhythm notation), and English diction (primary vowels). Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Recommended: MUS. 100 or equivalent.
Transfer Credit: CSU, UC

MUS. 402 VOICE II
Continuation of training in vocal technique and performance skills begun in Music 401. Course content includes vocal technique (breathing techniques), singing anatomy (breathing musculature), song preparation and interpretation (text, emotional expression), music theory fundamentals (major scales/keys, 16th notes), and English diction (secondary vowels). Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 401 or equivalent.
Transfer Credit: CSU, UC

MUS. 403 VOICE III
Refinement of vocal technique and performance skills begun in Music 401 & 402. Course content includes vocal technique (more breathing methods), singing anatomy (larynx), song preparation and interpretation (facial expression, gesture), music theory fundamentals (intervals, triads), and English diction (diphthongs, consonants). Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 403 or equivalent.
Transfer Credit: CSU, UC

MUS. 404 VOICE IV
Further refinement of vocal technique and performance skills begun in Music 401, 402 & 403. Content includes vocal technique (resonance), singing anatomy (resonating spaces), song preparation and interpretation (style elements), music theory fundamentals (minor scales/triplets), and English diction (glides, more work with consonants). Letter Grade Only. Degree Credit.
Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 TBA
Prerequisites: MUS. 403 or equivalent.
Transfer Credit: CSU, UC

MUS. 410.1 VOICE FOR THE MUSICAL THEATER PRODUCTION I
Beginning level theory and practice in vocal performance and theatrical production, designed to prepare students to perform in a musical theater production. Activities include learning vocal technique, acting technique, and song repertoire that will be utilized in performance. Lecture subjects include the historical context of the libretto and the musical style and song structure specific to the production. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 TBA
Prerequisites: MUS. 410.1 or equivalent.
Transfer Credit: CSU, UC

MUS. 410.2 VOICE FOR THE MUSICAL THEATER PRODUCTION II
Intermediate level theory and practice in vocal performance and theatrical production, designed to prepare students to perform in a musical theater production. Activities include learning vocal technique, acting technique, and song repertoire that will be utilized in performance. Lecture subjects include the historical context of the libretto and the musical style and song structure specific to the production. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 16-18 Lecture; 48-54 Lab; 32-36 TBA
Prerequisites: MUS. 410.2 or equivalent.
Transfer Credit: CSU, UC

MUS. 410.3 VOICE FOR THE MUSICAL THEATER PRODUCTION III
Advanced intermediate level theory and practice in vocal performance and theatrical production, designed to prepare students to perform in a musical theater production. Activities include learning vocal technique, acting technique, and song repertoire that will be utilized in performance. Lecture subjects include the historical context of the libretto and the musical style and song structure specific to the production. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
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**Hours/semester:** 16-18 Lecture; 48-54 Lab; 32-36 TBA  
**Prerequisites:** MUS. 410.2 or equivalent.  
**Transfer Credit:** CSU, UC

**MUS. 410.4 VOICE FOR THE MUSICAL THEATER PRODUCTION IV**

Advanced level theory and practice in vocal performance and theatrical production, designed to prepare students to perform in a musical theater production. Activities include learning vocal technique, acting technique, and song repertoire that will be utilized in performance. Lecture subjects include the historical context of the libretto and the musical style and song structure specific to the production. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**  
**Units:** 2  
**Hours/semester:** 16-18 Lecture; 48-54 Lab; 32-36 TBA  
**Prerequisites:** MUS. 410.3 or equivalent.  
**Transfer Credit:** CSU, UC

**MUS. 420.1 ORCHESTRA FOR THE MUSICAL THEATER PRODUCTION I**

Music theory and practice at the beginning level in orchestral performance and theatrical production, designed to prepare students to perform in a musical theater production. Activities include learning instrumental technique and song repertoire that will be utilized in performance. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**  
**Units:** 2  
**Hours/semester:** 24-27 Lecture; 24-27 Lab; 16-18 TBA; 32-36 Homework  
**Recommended:** Proficiency with a musical instrument is strongly recommended.  
**Transfer Credit:** CSU, UC

**MUS. 420.2 ORCHESTRA FOR THE MUSICAL THEATER PRODUCTION II**

Music theory and practice at the intermediate level in orchestral performance and theatrical production, designed to prepare students to perform in a musical theater production. Activities include learning instrumental technique and song repertoire that will be utilized in performance. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**  
**Units:** 2  
**Hours/semester:** 24-27 Lecture; 24-27 Lab; 16-18 TBA; 32-36 Homework  
**Recommended:** Proficiency with a musical instrument is strongly recommended.  
**Transfer Credit:** CSU, UC

**MUS. 420.3 ORCHESTRA FOR THE MUSICAL THEATER PRODUCTION III**

Music theory and practice at the advanced intermediate level in orchestral performance and theatrical production, designed to prepare students to perform in a musical theater production. Activities include learning instrumental technique and song repertoire that will be utilized in performance. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**  
**Units:** 2  
**Hours/semester:** 24-27 Lecture; 24-27 Lab; 16-18 TBA; 32-36 Homework  
**Recommended:** Proficiency with a musical instrument is strongly recommended.  
**Transfer Credit:** CSU, UC

**MUS. 420.4 ORCHESTRA FOR THE MUSICAL THEATER PRODUCTION IV**

Music theory and practice at the advanced level in orchestral performance and theatrical production, designed to prepare students to perform in a musical theater production. Activities include learning instrumental technique and song repertoire that will be utilized in performance. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**  
**Units:** 2  
**Hours/semester:** 24-27 Lecture; 24-27 Lab; 16-18 TBA; 32-36 Homework  
**Recommended:** Proficiency with a musical instrument is strongly recommended.  
**Transfer Credit:** CSU, UC

**MUS. 430.1 CONCERT BAND I**

Study and performance of music for concert band at the beginning level. Performance is required. Open to all students of the College. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**  
**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** Audition for placement.  
**Recommended:** MUS. 100 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 180

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MUS. 430.2 CONCERT BAND II
Study and performance of music for concert band at the advanced beginning level. Performance is required. Open to all students of the College. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 430.1 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 180

MUS. 430.3 CONCERT BAND III
Study and performance of music for concert band at the intermediate level. Performance is required. Open to all students of the College. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 430.2 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 180

MUS. 430.4 CONCERT BAND IV
Study and performance of music for concert band at the advanced intermediate level. Performance is required. Open to all students of the College. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 430.3 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 180

MUS. 440.1 SYMPHONY ORCHESTRA I
Study and performance of music for symphony orchestra with emphasis on rhythmic accuracy. Performance is required. Open to all students of the College. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 440.1 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 180

MUS. 440.2 SYMPHONY ORCHESTRA II
Study and performance of music for symphony orchestra with emphasis on rhythm. Performance is required. Open to all students of the College. Experience playing string, woodwind, brass, or percussion instrument expected. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 440.2 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 180

MUS. 440.3 SYMPHONY ORCHESTRA III
Study and performance of music for symphony orchestra with emphasis on articulations and dynamics. Performance is required. Open to all students of the College. Experience playing string, woodwind, brass, or percussion instrument expected. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 440.3 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 180

MUS. 440.4 SYMPHONY ORCHESTRA IV
Study and performance of music for symphony orchestra with emphasis on proper instrumental technique and intonation. Performance is required. Open to all students of the College. Experience playing string, woodwind, brass, or percussion instrument expected. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Prerequisites:** MUS. 440.4 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** MUS 180

MUS. 450.1 JAZZ BAND I
Students will examine the intricacies of jazz -- including swing, funk, soul, Latin, and ballad -- by studying, organizing, rehearsing, and performing contemporary jazz band repertoire at the beginning level. Performance will be
MUS. 450.2 JAZZ BAND II
Students will examine the intricacies of jazz -- including swing, funk, soul, Latin, and ballad -- by studying, organizing, rehearsing, and performing contemporary jazz band repertoire at the advanced beginning level. Performance will be required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1
Hours/semester: 48-54 Lab
Prerequisites: MUS. 450.1 or equivalent.
Transfer Credit: CSU, UC
C-ID: MUS 180

MUS. 450.3 JAZZ BAND III
Students will examine the intricacies of jazz -- including swing, funk, soul, Latin, and ballad -- by studying, organizing, rehearsing, and performing contemporary jazz band repertoire at the intermediate level. Performance will be required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1
Hours/semester: 48-54 Lab
Prerequisites: MUS. 450.2 or equivalent.
Transfer Credit: CSU, UC
C-ID: MUS 180

MUS. 450.4 JAZZ BAND IV
Students will examine the intricacies of jazz -- including swing, funk, soul, Latin, and ballad -- by studying, organizing, rehearsing, and performing contemporary jazz band repertoire at the advanced level. Performance will be required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1
Hours/semester: 48-54 Lab
Prerequisites: MUS. 450.3 or equivalent.
The choir may perform alone or in conjunction with other musical organizations on and off campus. Performance is required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

- **Units:** 1
- **Hours/semester:** 48-54 Lab
- **Prerequisites:** MUS. 470.3 or equivalent.
- **Transfer Credit:** CSU, UC
- **C-ID:** MUS 180

**MUS. 485.1 VOCAL JAZZ ENSEMBLE I**

Performance of a wide range of vocal jazz and popular music for accompanied and/or a cappella choir at the beginning level. Performance is required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

- **Units:** 1
- **Hours/semester:** 48-54 Lab
- **Prerequisites:** Audition for placement.
- **Recommended:** MUS. 100 or equivalent.
- **Transfer Credit:** CSU, UC
- **C-ID:** MUS. 180

**MUS. 485.2 VOCAL JAZZ ENSEMBLE II**

Performance of a wide range of vocal jazz and popular music for accompanied and/or a cappella choir at the advanced-beginning level. Performance is required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

- **Units:** 1
- **Hours/semester:** 48-54 Lab
- **Prerequisites:** MUS. 485.1 or equivalent, or instructor approval.
- **Transfer Credit:** CSU, UC
- **C-ID:** MUS. 180

**MUS. 485.3 VOCAL JAZZ ENSEMBLE III**

Performance of a wide range of vocal jazz and popular music for accompanied and/or a cappella choir at the intermediate level. Performance is required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

- **Units:** 1
- **Hours/semester:** 48-54 Lab
- **Prerequisites:** MUS. 485.2 or equivalent, or instructor approval.
- **Transfer Credit:** CSU, UC
- **C-ID:** MUS. 180

**MUS. 485.4 VOCAL JAZZ ENSEMBLE IV**

Performance of a wide range of vocal jazz and popular music for accompanied and/or a cappella choir at the advanced level. Performance is required. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

- **Units:** 1
- **Hours/semester:** 48-54 Lab
- **Prerequisites:** MUS. 485.3 or equivalent, or instructor approval.
- **Transfer Credit:** CSU, UC
- **C-ID:** MUS. 180

**MUS. 501 STUDIO LESSONS I (APPLIED MUSIC I)**

Individual study of the appropriate beginning undergraduate transfer-level techniques and repertoire for the specific instrument or voice being studied. Emphasis is on the progressive development of skills needed for solo performance. Each week students will take a 30-minute individual lesson and complete appropriate practice hours. Achievement is evaluated through a juried performance. Designed for Music majors who are able to perform at college level. NOTE: Individual lessons (8-9 hours per semester) are provided in addition to the lecture. Letter Grade Only. Degree Credit.

- **Units:** 1
- **Hours/semester:** 16-18 Lecture; 8-9 TBA; 24-27 Homework
- **Prerequisites:** MUS. 304 or MUS. 404 or MUS. 358 or MUS. 380 or equivalent. Beginning undergraduate transfer-level performance ability (and equivalency) will be confirmed through placement audition.
- **Corequisites:** MUS. 105 or MUS. 106 or MUS. 107 or MUS. 108 and MUS. 111 or MUS. 112 or MUS. 113 or MUS. 114 or equivalent.
- **Transfer Credit:** CSU, UC
- **C-ID:** MUS 160

**MUS. 502 STUDIO LESSONS II (APPLIED MUSIC II)**

Individual study of the appropriate advanced-beginning undergraduate transfer-level techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Each week students will take a 30-minute individual lesson and complete appropriate practice hours. Achievement is evaluated through a juried performance. Designed for Music majors who are able to perform at college level. NOTE: Individual lessons (8-9 hours per semester) are provided in addition to the lecture. Letter Grade Only. Degree Credit.
MUS. 503 STUDIO LESSONS III (APPLIED MUSIC III)
Individual study of the appropriate intermediate undergraduate transfer-level techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Each week students will take a 30-minute individual lesson and complete appropriate practice hours. Achievement is evaluated through a juried performance. Designed for Music majors who are able to perform at college level. NOTE: Individual lessons (8-9 hours per semester) are provided in addition to the lecture. Letter Grade Only. Degree Credit.

Units: 1
Hours/semester: 16-18 Lecture; 8-9 TBA; 24-27 Homework
Prerequisites: MUS. 502 or equivalent.
Corequisites: MUS. 105 or MUS. 106 or MUS. 107 or MUS. 108 and MUS. 111 or MUS. 112 or MUS. 113 or MUS. 114 or equivalent.
Transfer Credit: CSU, UC
C-ID: MUS 160

MUS. 504 STUDIO LESSONS IV (APPLIED MUSIC IV)
Individual study of the appropriate advanced-intermediate undergraduate transfer-level techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Each week students will take a 30-minute individual lesson and complete appropriate practice hours. Achievement is evaluated through a juried performance. Designed for Music majors who are able to perform at college level. NOTE: Individual lessons (8-9 hours per semester) are provided in addition to the lecture. Letter Grade Only. Degree Credit.

Units: 1
Hours/semester: 16-18 Lecture; 8-9 TBA; 24-27 Homework
Prerequisites: MUS. 503 or equivalent.
Corequisites: MUS. 105 or MUS. 106 or MUS. 107 or MUS. 108 and MUS. 111 or MUS. 112 or MUS. 113 or MUS. 114 or equivalent.
Transfer Credit: CSU, UC
C-ID: MUS 160

MUS. 667 SPECIAL TOPICS IN MUSIC PERFORMANCE
Advanced study in specialized areas of the performing arts. Designed for vocalists, pianists, and instrumentalists, this course provides for extended in-depth study of both performance practice and performance art using selected themes as listed in the class schedule. May be offered for 1 unit (8 hours lecture, 24 hours lab) or 2 units (16 hours lecture, 48 hours lab). Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1 - 2
Hours/semester: 8-18 Lecture; 24-54 Lab; 16-36 Homework
Prerequisites: Successful completion of a music performance course, or demonstration of equivalent skill in the performance area as determined by the instructor.
Transfer Credit: CSU

MUS. 695 INDEPENDENT STUDY IN MUSIC
Designed for students who are interested in furthering their knowledge via self-paced, individualized, directed instruction provided in selected areas to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 3
Hours/semester: 24-162 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

Network Engineering Technologies

NETX 400 INTRODUCTION TO LOCAL AREA NETWORK
Cisco Academy Course – CCNA 1 An introductory course in networking, with focus on local area networks (LAN). Topics
include LAN hardware (network interface cards, hubs, switches, and SOHO routers), LAN topologies, network administration through MS Windows, the OSI reference model and the TCP/IP protocol stack. Ethernet operation, IP network addressing and routing, and TCP/IP transport protocols are explored with lecture, on-line module and hands-on activity. This course is aligned with the first module of the Cisco Network Academy (CCNA-1) and includes a student enrollment in the Academy. Letter Grade Only. Degree Credit.

**NETX 401 SURVEY OF NETWORKING AND WIRELESS TECHNOLOGIES**

Introduction to today's convergent communications technologies. Course will examine the structure, function and services of the networks and systems used to provide voice, data, and wireless communications. This course has been designed to provide anyone interested with insight into the workings and opportunities of this dynamic and exciting field. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework  
**Transfer Credit:** CSU

**NETX 410 STRUCTURED WIRING AND CABLING**

Hands-on technical introduction to the EIA/TIA 568 and related standards of Structured Wiring and Cabling systems for Networking infrastructures. Course covers tools, test equipment, cables, terminations, and specifications. Students will install, test and troubleshoot data lines, network patch panels, hybrid cabling and PoE distribution. Course is based on Fiber Optics Association CPCT & CFOT certification standards. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 40-45 Lecture; 24-27 Lab; 16-18 TBA; 64-72 Homework  
**Transfer Credit:** CSU

**NETX 411 FIBER OPTICS TECHNOLOGY**

An introductory course in fiber optics technology that will include the theory of fiber optic communications, fiber systems design, network construction, and fiber optic test equipment. Instructor-directed hands-on splicing and working with test equipment will be a component of the course. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework  
**Transfer Credit:** CSU

**NETX 413 WIRELESS LOCAL AREA NETWORKS**

An in depth technical course in the design and implementation of wireless local area networks. Students will be introduced to the technology, infrastructure, application and installation of wireless networks. Students will install and administer a wireless network using Cisco product lines. Letter Grade Only. Degree Credit.

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework  
**Prerequisites:** NETX 400 or equivalent training or experience  
**Transfer Credit:** CSU

**NETX 420 PC CONFIGURATION AND REPAIR**

Provides preparation for A+ certification. A hands-on technical course designed to provide an in-depth understanding of PC hardware and software from installation and repair outlook. Materials covered will include beginning and advanced software, hardware components and configuration, operating systems and how they control the PC. Includes direct hands-on experience with the tools and skills required for entry-level employment. Letter Grade Only. Degree Credit.

**Units:** 6  
**Hours/semester:** 80-90 Lecture; 48-54 Lab; 16-18 TBA; 144-162 Homework  
**Transfer Credit:** CSU

**NETX 421 A+ CERTIFICATION EXAM PREP**

Designed to assist students in preparing to take the CompTIA A+ certification exams for Computer Repair. Students who have completed NETX 420 or equivalent course work (or have similar training or work experience) may enroll in this course. Pass/No Pass Only. Degree Credit.

**Units:** 2  
**Hours/semester:** 32-36 Lecture; 48-54 TBA; 16-18 Homework  
**Prerequisites:** NETX 420 or equivalent study or training in another school, in military service, or on-the-job training or experience  
**Transfer Credit:** CSU
NETX 423 MOBILE DEVICE CONNECTIVITY SUPPORT
The essentials of mobile device end-user support, including over-the-air technologies, network infrastructure, mobile device management, security, and troubleshooting techniques. Students will gain the knowledge and skills required to understand, deploy, and troubleshoot mobile devices. Patterned after CompTIA Mobility+ Certification. Letter Grade Only. Degree Credit.

Units: 2
Hours/semester: 24-27 Lecture; 24-27 Lab; 48-54 Homework
Recommended: NETX 400 or equivalent.
Transfer Credit: CSU

NETX 430 INTRODUCTION TO ROUTERS
Examines common protocols, IP networking concepts and subnetting techniques. Includes instructor directed hands-on activities. Patterned after Cisco training guidelines. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 16-18 TBA; 80-90 Homework
Prerequisites: NETX 400 or equivalent training or experience.
Transfer Credit: CSU

NETX 431 NETWORK SWITCHES - CONCEPTS AND APPLICATIONS
Examines switching protocols, spanning tree protocols, virtual LANs and other specific models. Basic design of switch configurations and the use of switches in network architecture will be covered. Includes instructor-directed hands-on activities. Patterned after Cisco training guidelines. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 16-18 TBA; 80-90 Homework
Prerequisites: NETX 400 or equivalent training or experience.
Recommended: NETX 430 or equivalent.
Transfer Credit: CSU

NETX 432 ROUTING CONCEPTS AND APPLICATIONS
Advanced course on routing concepts and configuration on large internetworks. Students will configure and manage routers by implementing common protocol such as EIGRP and OSPF. Other topics include access-list, routing principles, VLSM and WAN technology. This course is aligned with 4th module of Cisco Network Academy Course (CCNA-4). Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 16-18 TBA; 80-90 Homework
Prerequisites: NETX 430 or equivalent training or experience.
Transfer Credit: CSU

NETX 435 NETWORK SECURITY
Introduction to network security using firewall and VPN (virtual private network) technology. Students will be exposed to the theory and application of both firewall and VPN network architecture. Students will have the opportunity for hands-on practice to administer security policy and VPN configuration using both Check Point software and Cisco’s ASA (Adaptive Security Appliance). Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 16-18 TBA; 80-90 Homework
Prerequisites: NETX 430 or equivalent training or experience.
Transfer Credit: CSU

NETX 439 TROUBLESHOOTING THE INTERNETWORK
Focus on troubleshooting methodology and techniques on routers and switches in a network infrastructure. Students will learn to use existing software diagnostic features and use a protocol analyzer in the analysis and troubleshooting of networks. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 16-18 TBA; 80-90 Homework
Prerequisites: NETX 431 and NETX 432, or equivalent training or experience.
Transfer Credit: CSU

NETX 440 INTRODUCTION TO MICROSOFT SERVER ADMINISTRATION
An introductory course in Server Administration specific to Microsoft Server. Coverage includes the functions and concepts of local and wide area networks, Microsoft server, user and group accounts and domain services. Hands-on
experience provided in configuring and troubleshooting servers, workstations, and peripheral devices. Course is patterned after Microsoft Solutions guidelines. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework  
**Prerequisites:** NETX 400 or equivalent training or experience.  
**Transfer Credit:** CSU

### NETX 443 INTRODUCTION TO LINUX ADMINISTRATION

An introductory course in Linux administration in a networked environment, including instructor-directed hands-on activities. Students will install a Linux system and perform basic administrative tasks using the BASH shell. Topics include system architecture, FHS, GNU and UNIX commands, devices and Linux file systems, network configuration and troubleshooting, and printing systems. Patterned after Linux Professional Institute and CompTIA Linux certification objectives. **Letter Grade Only. Degree Credit.**

**Units:** 3.5  
**Hours/semester:** 48-54 Lecture; 24-27 Lab; 96-108 Homework  
**Recommended:** NETX 400 or equivalent training or experience in basic Network addressing and protocols.  
**Transfer Credit:** CSU

### NETX 450 VOICE OVER IP (VOIP) ESSENTIALS

Introduction to VoIP theory and configuration. Key topics include VoIP Gateway, Call Flows, IP phone configurations, dial peers, Voice Mail and End User Support. Students will configure VoIP phone systems in a real-world environment. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 16-18 TBA; 80-90 Homework  
**Prerequisites:** NETX 430 or equivalent training or 6 months on-the-job experience with routing and NETX 431 or equivalent training or 6+ months of on-the-job network switching experience.  
**Transfer Credit:** CSU

### NETX 670 COOPERATIVE EDUCATION IN NETWORK ENGINEERING TECHNOLOGIES

Students may receive credit for work experience related to their major field or to their established career goal. Seminars and individual conferences are scheduled at convenient times during the semester to assist the student in establishing learning objectives related to the student’s employment. Students are given appropriate assignments related to the stated objectives and graded in accordance with the college's established grading system. As an alternative, related instruction classes meeting one hour per week, usually in the evening, are available for those students who prefer or need a more structured learning process. Four units of credit for 300 hours worked per semester may be earned by students with jobs related to their academic or occupational majors or goals. May be repeated for credit up to 16 units. This limitation applies to Occupational Cooperative Education work experience courses offered within the SMCCCD. **Pass/No Pass Only. Degree Credit.**

**Units:** 4  
**Hours/semester:** 300 Work Experience  
**Prerequisites:** Permission of the NETX Cooperative Education Supervisor, concurrent enrollment in a planned vocational program, and employment in a college-approved job directly related to the student's academic major.  
**Transfer Credit:** CSU

### Oceanography

#### OCEN 100 SURVEY OF OCEANOGRAPHY

Selected topics in oceanography designed to provide the students with an introduction and basic understanding of the geological, physical, chemical and biological aspects of the world’s oceans. Methods of scientific investigation are used to explain the history, accomplishments and goals of modern oceanography. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**AA/AS Degree Requirements:** Area 9B1  
**Transfer Credit:** CSU (CSU GE Area B1), UC (IGETC Area 5A)

#### OCEN 101 OCEANOGRAPHY LABORATORY/FIELD STUDY

Introductory exercises in geographic and bathymetric maps, statistical and microscopic studies of sediments, waves and sediment transport, bathymetry of ocean basins, ocean
currents, tides, estuaries, physical and chemical properties of seawater, coastal erosion, and forms and diversity of marine life. Field trips included. *Letter Grade Only. Degree Credit.*

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Corequisites:** OCEN 100  
**AA/AS Degree Requirements:** Area 9B1  
**Transfer Credit:** CSU (CSU GE Area B3), UC (IGETC Area 5C)

### Paralegal Studies

See also listings under Legal Studies.

**LEGL 240 INTRODUCTION TO LAW**
Overview of the U.S. legal system. Fundamental principles and topics in civil and criminal law and an introduction to critical legal analysis. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**Transfer Credit:** CSU

**LEGL 245 PARALEGAL PROFESSION I**
An overview of the paralegal profession: roles and responsibilities in the modern law office, preparing for a legal career, job skills, and professional ethics. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**Transfer Credit:** CSU

**LEGL 247 PARALEGAL PROFESSION II**
Capstone course. Provides opportunities for students to integrate paralegal knowledge and skills and complete a portfolio of professional documents. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** LEGL 245 or equivalent.  
**Recommended:** Successful completion of at least 3 of the following core courses in Paralegal Studies: LEGL 240 or LEGL 250 or LEGL 252 or LEGL 430 and either, LEGL 290 or LEGL 671 or equivalent.  
**Transfer Credit:** CSU

**LEGL 250 LEGAL RESEARCH, WRITING, AND ANALYSIS I**
Introduction to basic techniques of legal research, writing, and analysis—essential tools of the legal profession. Students will research legal issues, frame legal arguments, and analyze legal problems. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** Completion of, or concurrent enrollment in, LEGL 245 or equivalent.  
**Transfer Credit:** CSU

**LEGL 252 CIVIL LITIGATION I**
An introduction to civil litigation, with a specific focus on the initial phases of the lawsuit and pleadings. Students will study and practice key litigation such as interviewing clients, conducting investigations, and drafting pleadings. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** LEGL 240 or equivalent.  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**Transfer Credit:** CSU

**LEGL 260 LEGAL RESEARCH, WRITING, AND ANALYSIS II**
This course provides advanced instruction in legal research, writing, and analysis. Students will research legal issues, analyze legal arguments, and draft legal memos. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** LEGL 240 or equivalent.  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**Transfer Credit:** CSU

**LEGL 275 CONSTITUTIONAL LAW, CIVIL RIGHTS, AND CIVIL LIBERTIES**
Focus on the Constitution as the basis for individual civil liberties in the United States. Students will investigate legal
controversies related to current and past struggles for equal rights and justice. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU (CSU GE Area D, D US-2), UC (IGETC Area 4)

LEGL 290 COMMUNITY LEGAL SERVICES CLINIC
Builds legal skills and knowledge via an innovative combination of classroom instruction and meaningful community service. Under the close supervision of a licensed attorney, paralegal students will work collaboratively with colleagues and clients to address legal problems while serving our community. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework

Prerequisites: LEGL 240 or LEGL 245 or LEGL 250 or equivalent.

Transfer Credit: CSU

LEGL 304 CONCEPTS OF CRIMINAL LAW
Historical development and philosophy of criminal law and constitutional provisions. Special emphasis on legal definitions, the classifications of crime and their application to the administration of justice system. Study of case law, methodology, and concepts of law as a social force. Also listed as ADMJ 104. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. Completion of, or concurrent enrollment in, ADMJ 100 or LEGL 240, or equivalent.

Transfer Credit: CSU, UC

C-ID: AJ 120

LEGL 354 CIVIL LITIGATION II
Key topics in civil litigation, with a specific focus on discovery, trial, and appeals. Students will learn litigation skills, such as conducting discovery, filing motions, and providing litigation support. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Prerequisites: LEGL 252 or equivalent.

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU

LEGL 430 LAW OFFICE TECHNOLOGY
Hands-on instruction in technologies designed for use by legal professionals. Special emphasis is given to relevant technological skills for paralegals and legal support staff. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. BCM. 104 or equivalent and LEGL 245 or equivalent.

C-ID: AJ 124
COURSE DESCRIPTIONS

Transfer Credit: CSU

LEGL 670 PARALEGAL INTERNSHIP
Exploration of legal work through internships at public and private legal organizations. Students will intern a minimum of 225 hours in one semester to complete the course. Student Interns are responsible for securing their own internship. Pass/No Pass Only. Degree Credit.

Units: 3
Hours/semester: 225 Work Experience
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

Philosophy

PHIL 100 INTRODUCTION TO PHILOSOPHY
A survey of views and arguments in the Western philosophical tradition regarding ourselves and our place in the universe. It explores fundamental questions about mind, reality, religion, knowledge, free will, moral values, political ideals, and other topics. Incorporates an introduction to the methods of logic and critical thinking. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)
C-ID: PHIL 100

PHIL 103 CRITICAL THINKING
A study of the standards, methods, and skills for deciding what to believe on the basis of evidence. It presents rigorous deductive, inductive, and abductive techniques for analyzing, evaluating and composing arguments as used in a wide variety of contexts and disciplines. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9A3
Transfer Credit: CSU (CSU GE Area A3), UC

PHIL 160 HISTORY OF WESTERN PHILOSOPHY: ANCIENT AND MEDIEVAL
This course covers the history of Western philosophy from the ancient Greeks to Medieval period, with emphasis on the Pre-Socratics, Plato, Aristotle, Epicureans, Stoics, Skeptics, and philosophers of Medieval Judaism, Christianity, and Islam. Topics include philosophy and religion, myth, metaphysics, science, human nature, and society. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)
C-ID: PHIL 110

PHIL 200 INTRODUCTION TO LOGIC
An introduction to symbolic logic with an emphasis on proof systems for propositional and predicate logic. Includes translation of English sentences into a symbolic language, patterns and techniques of deductive and inductive inference, and basic probability theory. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent. Eligibility for, MATH 120 or equivalent.
AA/AS Degree Requirements: Area 9A3
Transfer Credit: CSU (CSU GE Area A3), UC
C-ID: PHIL 110

PHIL 240 INTRODUCTION TO ETHICS
A critical examination of philosophical views—ancient and modern—concerning human nature and human potential; the fundamental concepts of goodness, rights, and justice; the virtues of persons and social institutions; the relationship between the individual and society; criteria for moral evaluation; ideals of human action, ultimate aim (such as happiness), and ways of living. A variety of moral theories and contemporary moral issues will be explored in depth. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2

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PHIL 280 INTRODUCTION TO POLITICAL PHILOSOPHY
An introduction to political philosophy. Readings and critical discussion of political philosophies (such as liberalism, conservatism, communitarianism, libertarianism, socialism, feminism, etc.) through readings by influential thinkers (such as Hobbes, Locke, Rousseau, Kant, Marx, Rawls, and contemporary writers). Topics include theories of human nature, conceptions of justice, the relationship between the individual and the state, the distribution of wealth and power, the significance of ideology, and the role of markets. Also listed as PLSC 280. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

PHIL 300 INTRO TO WORLD RELIGIONS
This course explores the origins, beliefs, practices, art and rituals of major religious traditions (including Zoroastrian, Jewish, Christian, Islamic, Hindu, Buddhist, Confucian, Taoist, and others). It also examines the role of religion in everyday life as well as the enduring philosophical issues that religious traditions grapple with. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C2
Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4)
C-ID: POLS 120

PHIL 312 INTRODUCTION TO PHILOSOPHY OF RELIGION
An introduction to philosophical thinking about religion, with an emphasis on issues central to traditional monotheism. This course teaches how to critically examine arguments concerning the origin of religion, the existence of God, the historicity of miracles, the veridicality of religious and mystical experience, the existence of spirits or souls, the possibility of life after death, the equal validity of all religions, and other topics. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B)

PHIL B10 MEDICAL ETHICS
Application of moral theory to a variety of problems in medicine and health care delivery, such as: uses of medical technology, allocation of resources, responsibilities and obligations of health care providers, medically assisted dying, genetic screening, abortion and reproductive rights, and experiments on human or animal subjects. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Bachelor of Science in Respiratory Care Program; and PHIL 100 or PHIL 240 or PSYC 100 or equivalent.

Physics

PHYS 105 CONCEPTUAL PHYSICS
A conceptual introduction to physics, intended to foster scientific understanding of the world. Stresses important and applicable topics in motion, force, oscillations, fluids, thermodynamics, waves, electricity, magnetism, light and modern physics. Some students may wish to use it as extra preparation for algebra-based physics. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent. MATH 110 or equivalent.
AA/AS Degree Requirements: Area 9B1
Transfer Credit: CSU (CSU GE Area B1), UC (IGETC Area 5A)

PHYS 106 CONCEPTUAL PHYSICS LABORATORY
A laboratory exploration of physical phenomena covered in Conceptual Physics lecture (PHYS 105). Intended to reinforce those topics through hands-on investigation and develop an understanding of the scientific method. May be
taken concurrently or after Physics 105. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 1

Hours/semester: 48-54 Lab

Corequisites: PHYS 105 Students may either be co-enrolled or have completed Conceptual Physics (PHYS 105) with a C or better in order to take this laboratory course.

Recommended: Completion of MATH 110, or MATH 111 and MATH 112, with a grade of C or better, or equivalent. Eligibility for ENGL 846 or ESOL 400, or equivalent.

AA/AS Degree Requirements: Area 9B1

Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A)

C-ID: PHYS 100S; PHYS 105

PHYS 114 SURVEY OF CHEMISTRY AND PHYSICS

A conceptual survey of physical science (physics and chemistry) intended for non-science majors at the GE level. A general discussion of the scientific method and techniques will be followed by physics, chemistry, and integrated topics. The laboratory portion will cover a hands-on exploration of phenomena discussed in lecture. The physics component of the course will discuss motion, force, energy, electricity and magnetism, waves and light. The chemistry component of the course will focus on chemicals and reactions common in everyday life. Concepts relating to the nature and interactions of atoms, ions, and molecules will be presented. Students will also learn to use and evaluate information presented on product labels, in advertisement, and available through the internet. Also listed as CHEM 114. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: MATH 110 or MATH 111 and MATH 112 or equivalent.

Transfer Credit: CSU (CSU GE Area B3), UC (IGETC Area 5C)

C-ID: CHEM 140; PHYS 140

PHYS 210 GENERAL PHYSICS I

The first semester of a two-semester sequence of algebra/trigonometry-based physics. Designed for students majoring in certain fields of letters and science, and required of those planning to enter medicine, dentistry, pharmacy, optometry, agriculture or forestry. Covers mechanics, fluids, waves and thermodynamics. The laboratory portion covers measurement and analysis of phenomena discussed in lecture. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: MATH 130 or appropriate placement test score and other measures as appropriate, or equivalent.

AA/AS Degree Requirements: Area 9B1

Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A)

C-ID: PHYS 100S; PHYS 105

PHYS 211 GENERAL PHYSICS I-CALCULUS SUPPLEMENT

Further depth and application of calculus to topics in PHYS 210. Examples include derivatives and integrals of equations of motion, work done by a variable force, and torque as a cross product. Required of some pre-medical, biology, and architecture students. Letter Grade Only. Degree Credit.

Units: 1

Hours/semester: 16-18 Lecture; 32-36 Homework

Prerequisites: Concurrent enrollment in, or completion of MATH 242 or MATH 252 or appropriate placement test score and other measures as appropriate, or equivalent; and concurrent enrollment in, or completion of, PHYS 210 or equivalent.

Transfer Credit: CSU, UC

PHYS 220 GENERAL PHYSICS II

The second semester of a two-semester sequence of algebra/trigonometry-based physics. Designed for students majoring in certain fields of letters and science, and required of those planning to enter medicine, dentistry, pharmacy, optometry, agriculture or forestry. Covers electricity, magnetism, light and modern physics. The laboratory portion covers measurement and analysis of phenomena discussed in lecture. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: PHYS 210 or equivalent.

AA/AS Degree Requirements: Area 9B1

Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A)

C-ID: PHYS 100S; PHYS 110
PHYS 221 GEN PHYSICS II - CALCULUS SUPPLEMENT

Further depth and application of calculus to topics in PHYS 220. Examples include surface integrals for Gauss's Law, line integrals for Ampere's Law, classical wave equation. Required of some premedical, biology, and architecture students. Letter Grade Only. Degree Credit.

Units: 1

Hours/semester: 16-18 Lecture; 32-36 Homework

Prerequisites: Concurrent enrollment in or completion of MATH 242 or MATH 252 or appropriate placement test score and other measures as appropriate, or equivalent; and completion of or concurrent enrollment in, PHYS 220 or equivalent.

Transfer Credit: CSU, UC

PHYS 250 PHYSICS WITH CALCULUS I

The first semester of a three semester sequence of calculus-based physics. Designed to give students majoring in engineering, physics or chemistry a thorough foundation in the fundamentals of physics. Covers Newtonian mechanics including gravitation and mechanical oscillations. The laboratory portion covers measurement and analysis of phenomena discussed in lecture. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: MATH 251 and MATH 252 or concurrent enrollment in MATH 252, or appropriate placement test score and other measures as appropriate, or equivalent.

AA/AS Degree Requirements: Area 9B1

Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A)

C-ID: PHYS 200S; PHYS 205

PHYS 260 PHYSICS WITH CALCULUS II

The second semester of a three semester sequence of calculus-based physics (may also be taken as the third semester). Designed to give students majoring in engineering, physics or chemistry a thorough foundation in the fundamentals of physics. Covers electricity, magnetism and electromagnetic waves. The laboratory portion covers measurement and analysis of phenomena discussed in lecture. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: PHYS 250 and completion of or concurrent enrollment in, MATH 253

AA/AS Degree Requirements: Area 9B1

Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A, 5C)

C-ID: PHYS 200S; PHYS 210

PHYS 270 PHYSICS WITH CALCULUS III

The third semester of a three semester sequence of calculus-based physics (may also be taken directly after PHYS 250). Designed to give students majoring in engineering, physics or chemistry a thorough foundation in the fundamentals of physics. Covers fluids, thermodynamics, waves & light and modern physics. The laboratory portion covers measurement and analysis of phenomena discussed in lecture. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: PHYS 250 and MATH 252 or equivalent.

AA/AS Degree Requirements: Area 9B1

Transfer Credit: CSU (CSU GE Area B1, B3), UC (IGETC Area 5A)

C-ID: PHYS 200S; PHYS 215

PHYS 695 INDEPENDENT STUDY IN PHYSICS

Designed for students who are interested in furthering their knowledge via self-paced, individualized instruction provided in selected areas or directed study to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 0.5 - 3

Hours/semester: 24-162 Lab

Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

Transfer Credit: CSU
Political Science

PLSC 115 COMPARATIVE GOVERNMENT
Comparative treatment of the government and politics of key countries in Europe, Asia, Africa and the Americas. Examines the history, institutions, policies, and politics of the selected countries. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)
C-ID: POLS 130

PLSC 130 INTERNATIONAL RELATIONS
Survey of basic elements of international relations, including nationalism, colonialism, and religion in international affairs. Examines such issues as development, population, and environment. Also explores international conflicts, such as between Israel and Palestine. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)

PLSC 150 INTRO TO POLITICAL THEORY
Introduction to ways of thinking about politics and an exploration of the concepts of political theory. Political problems will be examined along with consideration of such ideas as political culture and ideology. Letter Grade Only.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)

PLSC 200 NATIONAL, STATE AND LOCAL GOVERNMENT
A study of the structure and function of the basic national, state and local government institutions. The course will examine the dynamics of the constitutional power relationship between the respective branches of government and the operational relationship between the national, state and local governments. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9C2, 9D3
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)

PLSC 210 AMERICAN POLITICS
The study of the historical and constitutional development of the foundations of the United States political institutions and the dynamics of governmental decision-making processes from the colonial era to the present. Examination of the various sources of political attitudes, roles, and behaviors of political participants and ways political decisions are made by the different units of government. Letter Grade Only.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)

PLSC 280 INTRODUCTION TO POLITICAL PHILOSOPHY
An introduction to political philosophy. Readings and critical discussion of political philosophers (such as Plato, Locke, Rousseau, Marx, and contemporary writers). Topics include theories of human nature, conceptions of justice, the distribution of wealth and power, and the role of markets. Also listed as PHIL 280. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)
PLSC 301 CALIFORNIA STATE AND LOCAL GOVERNMENT

Examination of local and state governments and their relationship to each other. Among topics to be studied: population growth; initiative process; elections and campaigns; the legislature; the plural executive; California Judiciary; local governments -- counties, cities, school districts, and regional governments; growth and environmental policies; social programs and cultural diversity. Letter Grade Only.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 6b1; Area 9D1; Area DUS2
Transfer Credit: CSU (CSU GE Area D US-2), UC

PLSC 335 HISTORY AND POLITICS OF THE MIDDLE EAST

Examination of the historical, political, economic and social issues of the Middle East, including the Israeli-Palestinian Conflict and U.S. foreign policy in the area. Grade Option (Letter Grade or Pass/No Pass).

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9C2, 9D3
Transfer Credit: CSU (CSU GE Area C2; Area D), UC (IGETC Area 3B; Area 4)

Psychology

PSYC 100 GENERAL PSYCHOLOGY

Introduction to the scientific study of animal and human behavior. Origins and assessment of individual differences in terms of learning, memory, thinking, intelligence, motivation, emotion, perception, and personality. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)
C-ID: POLS 120

PSYC 105 EXPERIMENTAL PSYCHOLOGY

Application of scientific methods to psychological research. Fundamentals of experimental design, descriptive and inferential statistics, scientific report writing. Exploration of psychology as a major study and as a profession. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: PSYC 100 and PSYC 171 or MATH 200 or BUS. 123 or equivalent.
Transfer Credit: CSU, UC
C-ID: PSY 200

PSYC 110 COURTSHIP, MARRIAGE AND FAMILY

Examining the social, psychological, historical, legal and economic factors relating to changing family, courtship, heterosexual and same sex marriage and partnership patterns: Exploration of changing gender roles, courtship patterns and parenting will also be included. Emphasis will be placed on diversity of families and family forms. Also listed as SOCI 110. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent. PSYC 100 or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC
C-ID: SOCI 130

PSYC 171 QUANTITATIVE REASONING IN PSYCHOLOGY

Introduction to psychological statistics and measurements essential to understanding statistical and quantitative arguments presented in news accounts, advertising, political campaigns, and popular treatment of psychological research. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: MATH 120 or equivalent.
AA/AS Degree Requirements: Area 9A3
Transfer Credit: CSU (CSU GE Area B4), UC (IGETC Area 2A)
C-ID: SOCI 125; MATH 110

PSYC 200 DEVELOPMENTAL PSYCHOLOGY
A survey of the physical, cognitive and psychological changes that occur across the life span. Theoretical models, influences affecting development, and research relevant to development across the life span will be discussed. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D3, 9E1
Transfer Credit: CSU (CSU GE Area E1D), UC (IGETC Area 4)
C-ID: PSY 180

PSYC 201 CHILD DEVELOPMENT
Examination of the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9D3, 9E1
Transfer Credit: CSU (CSU GE Area E1D), UC (IGETC Area 4)
C-ID: CDEV 100

PSYC 220 INTRODUCTION TO PSYCHOBIOLOGY
Survey of central and peripheral nervous system processes underlying the behavior of humans and animals. Emphasizes evolutionary, genetic, and gender differences underlying social behavior; anatomical and physiological substrates of behavior and consciousness; and neural mechanisms and sensory processes associated with learning, language, perception, motivation, emotion, sleep, speech, and sexuality. Letter Grade Only. Degree Credit.
Units: 3

PSYC 230 INTRODUCTION TO CROSS-CULTURAL PSYCHOLOGY
An examination of the diversity of human thought, feeling, and behavior, and the underlying reasons for such diversity. Focuses on the way culture influences human behavior and shapes mental processes. Reviews a variety of theories and research-findings regarding cultural influences on human behavior. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D3
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)

PSYC 238 ARAB CULTURAL PSYCHOLOGY
Examination of how Arab culture shapes thought, feeling, and the development of personality. Survey topics in cultural psychology including culture and personality, child rearing, gender relations, identity, family structure and religion. Studying the core value systems associated with the etiquette, beliefs and practices of Arab culture and influences on psychological development in the region. The course will also examine some nonnative perspectives of these core values. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9D1
Transfer Credit: CSU

PSYC 268 BLACK PSYCHOLOGY
Introduction to and exploration of basic and alternative psychological theories and concepts that provide an understanding and appreciation of the psychodynamics of Black America. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
PSYC 300 SOCIAL PSYCHOLOGY
An overview of how the individual thinks about, influences and relates to others. Topics include the study of attitudes, self-concept, prejudice and discrimination, conformity and group processes. Upon successful completion of the course students will be able to evaluate how social influences shape behaviors and apply principles of social psychology to everyday life. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)
C-ID: PSY 170

PSYC 301 PSYCHOLOGY OF PERSONAL DEVELOPMENT
Study of the ways people adjust to their environments. Emphasis on the ways personality develops and changes. Review of techniques people may use to cope more effectively with stress associated with our complex society. Small group projects may be a part of this course. Letter Grade Only.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: PSYC 100 or PSYC 108, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D)

PSYC 310 POSITIVE PSYCHOLOGY
Introduces positive psychology, the scientific study of human strengths, well-being and happiness. Surveys the research, theories. Includes ideas about human health and happiness. Includes practice in applying positive psychology principles. Considers such topics as happiness, hope, and wellness promotion. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

PSYC 390 PSYCHOLOGY OF CONSCIOUSNESS
A survey of the concepts and characteristics of human consciousness. Topics include the dimensions of the normal waking state as well as altered states of consciousness (e.g., sleep and dreams, hypnosis, meditation, sensory reduction, psychoactive drugs, etc.). In addition, the relationship between the brain and consciousness, the distinction between the conscious and unconscious mind, and other related concepts will be addressed. Grade Option (Letter Grade or Pass/No Pass).

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)

PSYC 410 ABNORMAL PSYCHOLOGY
Examination of disorders listed in the Diagnostic and Statistical Manual of Mental Disorders. Topics include personality disorders, depression, bipolar disorder, anxiety, schizophrenia, and other related disorders. Symptoms, causes, and treatments of each disorder are examined. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4G)
C-ID: PSY 120

PSYC 665 SPECIAL TOPICS IN PSYCHOLOGY
Advanced specialized study in psychology. Designed for psychology students and/or students interested in the social sciences such as anthropology, history, and philosophy. Topics will be generated by community, student and faculty interests. Field trips and off-campus investigations may require special planning by the students. May be repeated for credit as topics vary. Grade Option (Letter Grade or Pass/No Pass).

Units: 0.5 - 2
Hours/semester: 8-36 Lecture; 16-72 Homework
**Real Estate**

**R.E. 100 REAL ESTATE PRINCIPLES**

Introduction to real and personal property, joint tenancies, partnerships, sales contracts, homesteads, deeds, and taxes. Also included are the basics in financing real estate practices and regulation of the real estate business. Completion of both R.E. 100 and R.E. 110 enables students to satisfy California state requirements for licensing. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. Completion of MATH 110, or MATH 111 and MATH 112, with a grade of C or better, or equivalent.

**R.E. 110 REAL ESTATE PRACTICE**

Real Estate Practice is the practical application of real estate skills in the field and office environments. This course presents the skills, knowledge and abilities needed to work with buyers, sellers, lessors and lessees to ensure success as a realtor. Completion of both R.E. 100 and R.E. 110 enables students to satisfy California state requirements for licensing. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Transfer Credit:** CSU

**R.E. 130 CALIFORNIA MORTGAGE LOAN BROKERING & LENDING**

Focusing on the entire mortgage loan process from loan origination to underwriting, finishing with funding and servicing. The course also covers the marketing of oneself when entering the profession of mortgage loan brokering and lending. Additional topics covered include legal aspects of the business and various forms used within the profession. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Transfer Credit:** CSU

**R.E. 131 REAL ESTATE FINANCE I**

Practices, customs, and laws relating to mortgage lending and the financing of real estate, with emphasis on financing private houses. (Meets the State requirements as one of two additional courses to move from the initial or temporary salesperson’s license to a regular renewable salesperson’s license. Accepted for credit for the broker’s license.) *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Transfer Credit:** CSU

**R.E. 665 SELECTED REAL ESTATE TOPICS**

Courses will focus on, explore or introduce selected topics in real estate. Examples include topics such as changes in real estate law and contemporary real estate themes. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 0.5 - 1.5

**Hours/semester:** 8-27 Lecture; 16-54 Homework

**Transfer Credit:** CSU

**Respiratory Care**

Admission to this program is by special application only.

**RPTH 400 PATIENT & HEALTH CARE CONCERNS**

Introduction to the field of Respiratory Care; job responsibility and role within the health care team. Discussion of ethical and legal issues that involve Respiratory Care Practitioners. Discussion of aging, death and dying, and information technologies. *Letter Grade Only. Degree Credit.*

**Units:** 1.5

**Hours/semester:** 24-27 Lecture; 48-54 Homework

**Prerequisites:** Admission to the Respiratory Therapy Program.

**Transfer Credit:** CSU

**RPTH 410 INTRODUCTION TO PATIENT CARE & RESPIRATORY ASSESSMENT TECHNIQUES**

The study and practice of basic patient care. Also included will be a review of basic science relevant to respiratory therapy and its application to respiratory system assessment. The class will include some hospital practice. *Letter Grade Only. Degree Credit.*

**Units:** 3

**Hours/semester:** 32-36 Lecture; 48-54 Lab; 64-72 Homework
Prerequisites: Admission to the Respiratory Therapy Program.

Transfer Credit: CSU

RPTH 415 RESPIRATORY PHARMACOLOGY
Study of general pharmacology principles, basic terminology, drug action, dosage, adverse reactions, and drug toxicity. Emphasis will include physiologic actions/interactions and cardio-respiratory medication categorization. Letter Grade Only. Degree Credit.

Units: 1.5
Hours/semester: 24-27 Lecture; 48-54 Homework
Prerequisites: Admission to the Respiratory Therapy Program.
Transfer Credit: CSU

RPTH 420 APPLICATION OF CARDIOPULMONARY ANATOMY & PHYSIOLOGY
Study of the healthy cardiopulmonary system with application to the types of alterations that occur with disease. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Respiratory Therapy Program.
Transfer Credit: CSU

RPTH 430 INTRODUCTION TO RESPIRATORY THERAPEUTICS
Study and laboratory practice of basic respiratory care procedures. Oxygen and aerosol therapy, alveolar recruitment therapy, airway clearance procedures, advanced airway management, cleaning and care of respiratory therapy equipment, and introduction to ventilation concepts are included. Letter Grade Only. Degree Credit.

Units: 6
Hours/semester: 64-72 Lecture; 96-108 Lab; 128-144 Homework
Prerequisites: Admission to the Respiratory Therapy Program.
Transfer Credit: CSU

RPTH 438 CLINICAL CLERKSHIP I
Supervised experience in the medical/surgical areas of a local hospital, observing and performing respiratory care procedures to non-critical care patients. Pass/No Pass Only. Degree Credit.

Units: 1
Hours/semester: 64 Field Experience
Prerequisites: Admission to the Respiratory Therapy Program.
Transfer Credit: CSU

RPTH 445 RESPIRATORY DISEASES I
Using chronic pulmonary disease as models, the student will learn disease terminology, disease classification, history taking and physical examination. Also included will be basic radiologic, clinical and pulmonary diagnostics. Letter Grade Only. Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Prerequisites: Admission to the Respiratory Therapy Program.
Transfer Credit: CSU

RPTH 448 CLINICAL CLERKSHIP II
Supervised experience in the medical/surgical patient care areas of a local hospital. Emphasis is on attaining proficiency in skills performed by a Respiratory Care Practitioner in these areas. Pass/No Pass Only. Degree Credit.

Units: 2
Hours/semester: 128 Field Experience
Prerequisites: Completion of the first year Respiratory Therapy program.
Transfer Credit: CSU

RPTH 450 RESPIRATORY DISEASES II
Continuation of the study of cardiopulmonary diseases utilizing the model developed in RPTH 445 to include the treatment and pharmacotherapy of selected disorders. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Completion of the first year Respiratory Therapy program.
Transfer Credit: CSU

RPTH 458 CLINICAL CLERKSHIP III
Supervised experience in the adult intensive care unit and/or coronary care unit patient of a local hospital. Emphasis is on attaining proficiency in skills performed by a respiratory
RPTH 460 RESPIRATORY CRITICAL CARE
Study and practice of techniques necessary to provide respiratory care to patients in adult critical care areas. Emphasis includes advanced airway management, ventilator care, respiratory assessment, monitoring and management, and effective communication. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 32-36 Lecture; 48-54 Lab; 16-18 TBA; 48-54 Homework
Prerequisites: Completion of the first year Respiratory Therapy program.
Transfer Credit: CSU

RPTH 475 HEMODYNAMIC MONITORING AND SELECTED TOPICS IN RESPIRATORY CARE
The application of advanced principles of cardiopulmonary diagnostics and physiology to the care of critically ill patients. The application of above principles to other body systems. Letter Grade Only. Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Prerequisites: Completion of the first year Respiratory Therapy program.
Transfer Credit: CSU

RPTH 480 DIAGNOSTIC TESTING AND OUTPATIENT RESPIRATORY CARE
By learning concepts in various diagnostic testing studies, the student will be able to identify changes in patient's pulmonary status and assist the healthcare team in the outpatient setting to improve patient's quality of life. Fundamental aspects of pulmonary function testing, exercise testing, and metabolic studies, as well as opportunities for Respiratory Therapists in various outpatient settings will be explored. Letter Grade Only. Degree Credit.

Units: 2

RPTH 485 CLINICAL MEDICINE SEMINAR
Integration of pathology, pathophysiology, diagnostics techniques and therapeutic modalities through the utilization of patient case studies. Preparation for job placement. Letter Grade Only. Degree Credit.

Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Prerequisites: Successful completion of the first year Respiratory Care Program.
Transfer Credit: CSU

RPTH 490 NEONATAL AND PEDIATRIC RESPIRATORY CARE
Student will master the basic foundation and competent delivery of respiratory care with this age specific population by applying the normal and abnormal cardiorespiratory anatomy and physiology of the newborn and pediatric patient. This course will give the student the necessary background to pursue further studies in this specialized area. Letter Grade Only. Degree Credit.

Units: 2.5
Hours/semester: 32-36 Lecture; 24-27 Lab; 64-72 Homework
Prerequisites: Completion of the first year Respiratory Care program.
Transfer Credit: CSU
RPTH 495 RESPIRATORY CARE BOARD EXAMINATION PREPARATION AND REVIEW
Preparation and review for the Certified Respiratory Therapist and Registered Respiratory Therapist examinations offered by the National Board for Respiratory Care, and licensure procedures through the Respiratory Care Board of California. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 2  
**Hours/semester:** 32-36 Lecture; 64-72 Homework  
**Prerequisites:** Completion of the first year Respiratory Therapy program.  
**Transfer Credit:** CSU

RPTH 665 SELECTED TOPICS IN RESPIRATORY CARE
This course is designed to develop specific skills that are utilized in the practice of respiratory care. The course may focus on new areas of practice or specialized skills. **Grade Option (Letter Grade or Pass/No Pass).**

**Units:** 0.5 - 2  
**Hours/semester:** 8-36 Lecture; 16-72 Homework  
**Transfer Credit:** CSU

RPTH 695 INDEPENDENT STUDY IN RESPIRATORY CARE
Students will reinforce their current knowledge of respiratory care practices in selected areas of basic therapeutics, diagnostic procedures and critical care. Varying modes of instruction will be used – laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may only take one Independent Study course within a given discipline. **Grade Option (Letter Grade or Pass/No Pass). Degree Credit.**

**Units:** 1  
**Hours/semester:** 48-54 Lab  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.  
**Transfer Credit:** CSU

RPTH B10 ADVANCED CARDIOPULMONARY RESPIRATORY CARE
Provides an analytical framework through which students will expand their knowledge of respiratory diseases, diagnostic procedures, and symptom management. Includes detailed assessment of cardiopulmonary and neurorespiratory diseases, performance of diagnostic testing, medical interventions, and analysis of treatment benefits. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** Admission to the Bachelor of Science in Respiratory Care Program; and RPTH 450 or equivalent.

RPTH B15 SLEEP MEDICINE AND RESPIRATORY CARE
Prepares students to apply polysomnography to diagnose sleep disorders. Students will gain knowledge and skills related to the normal development of sleep pattern and demonstrate the ability to identify specific sleep disorders as well as score sleep stages and respiratory patterns. Emphasis is placed on pediatric and adult assessment, monitoring, and sleep disorders. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** Admission to the Bachelor of Science in Respiratory Care Program; and RPTH 450 or equivalent.

RPTH B20 ADVANCED RESPIRATORY CASE MANAGEMENT
Applied case management in Respiratory Care highlighting facilitation, integration, coordination and transition of patients through the continuum of care. Students effectively apply strategies for collaboration between the case manager, the client, the payer and appropriate service personnel, in order to optimize the outcome while maintaining client privacy and confidentiality, health, and safety through advocacy and adherence to ethical, legal, accreditation, certification and regulator standards or guidelines. **Letter Grade Only. Degree Credit.**

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** Admission to the Bachelor of Science in Respiratory Care Program; and RPTH 485 or equivalent.

RPTH B30 PRINCIPLES OF HEALTH EDUCATION
Provides an analytical framework to teach adult learning theory and prepare the student to teach effectively in healthcare and classroom settings. Topics include learning styles, curriculum development, effective teaching techniques, and assessment of learning. **Letter Grade Only. Degree Credit.**

**Units:** 3
COURSE DESCRIPTIONS

Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Bachelor of Science in Respiratory Care Program; and RPTH 485 or equivalent.

RPTH B40 HEALTH CARE RESEARCH DESIGN AND METHODOLOGY
Analysis of research design and methodology in health care and health sciences. Emphasis will include research evaluation and interpretation of results, design methodology, the planning and approval process, data collection and analysis, and communication and presentation of the results. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Bachelor of Science in Respiratory Care program and completion of, or concurrent enrollment in, MATH 200

RPTH B50 RESPIRATORY CARE LEADERSHIP AND MANAGEMENT I
Leadership and management theories in effective practices in the healthcare setting. Organizational structure of current healthcare models are discussed. Emphasis is placed on development of skills in leadership, communication, time management, problem solving, motivation and other critical competencies. Specific attention is focused on the role of leadership, along with specific functions and operations, in a Respiratory Care Department. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Bachelor of Science in Respiratory Care Program and RPTH 485 or equivalent.

RPTH B52 RESPIRATORY CARE LEADERSHIP AND MANAGEMENT II
Application of advanced level of skills learned in Respiratory Care Leadership and Management I through case based model approach in various aspects of providing respiratory health care management. Students will identify and apply strategic models to analyze problems, formulate solutions, and make sound decisions. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Bachelor of Science in Respiratory Care Program; and RPTH 485 or equivalent.

RPTH B60 ADVANCED NEONATAL AND PEDIATRIC RESPIRATORY CARE
Advanced concepts of neonatal and pediatric respiratory care. Emphasis placed on neonatal and pediatric pathophysiology and on specific therapeutic needs of neonates and children. Students will demonstrate competence in assessment skills, formulation of treatment plans, and application of specific respiratory care modalities for neonatal and pediatric patients. Letter Grade Only. Degree Credit.
Units: 3
Hours/semester: 40-45 Lecture; 24-27 Lab; 80-90 Homework
Prerequisites: Admission to the Bachelor of Science in Respiratory Care Program; and RPTH 490 or equivalent.

RPTH B90 RESPIRATORY CARE CAPSTONE PROJECT
Capstone course in Respiratory Care focused in areas of advanced cardiopulmonary respiratory care, leadership and management, case management, research, education, or other special area of interest. Student will identify and complete a project applying knowledge and skills learned in the program. Projects will be developed in collaboration with faculty and community members and are aligned with student area of interest. Letter Grade Only. Degree Credit.
Units: 2.5
Hours/semester: 8-9 Lecture; 128 Field Experience; 16-18 Homework
Prerequisites: RPTH B10 and RPTH B15 and RPTH B20 and RPTH B30 and RPTH B40 and RPTH B50 and RPTH B52 and RPTH B60 and COMM B10 and COUN B10 and PHIL B10 and SOCI B10 and SOSC B10

Social Justice Studies

SJS 110 INTRODUCTION TO SOCIAL JUSTICE STUDIES
An interdisciplinary study of race and ethnicity, and its intersections with gender and class in the United States. Examines social justice movements in relation to ethnic and racial groups in the United States to provide a basis for a better understanding of the socio-economic, cultural and political conditions among key social groups. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 5a; Area 9D3

Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4)

C-ID: SJS 110

**SJS 130 INTRODUCTION TO LGBTQ STUDIES**

Introduction to key themes and critical frameworks in Lesbian, Gay, Bisexual, Transgendered, and Queer (LGBTQ) Studies. Topics include histories of sexuality; forms of oppression including heterosexism, homophobia, and transphobia; resistance to oppression; violence against LGBTQ people; queer activism; diverse experiences of sexuality; and representations in literature, art, and popular media. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 5a; Area 9D3

Transfer Credit: CSU

C-ID: SJS 130

**SJS 140 HIP HOP CULTURE AND POLITICS**

Exploration of the history, aesthetics, and mechanics of Hip Hop culture analyzed from a social, economic, and political perspective. The course will explore Hip Hop music and culture in its relationship to a variety of political issues and social justice movements. It will examine how these movements help shape and inform Hip Hop culture in the forms of music, fashion, language, film, lifestyles, and media. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 5a

Transfer Credit: CSU

C-ID: SJS 130

**SOCIAL SCIENCE**

**SOC 245 COMMUNITY ACTION FOR CHANGE**

Collaboration with community organizations to explore and practice different modes of social actions to resolve community problems. Students engage in 24 hours of civic engagement project during the semester. Application and reflection of social scientific theories of social change and collective action. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 24-27 Field Experience; 80-90 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU, UC (IGETC Area 4)

C-ID: SOSS 245

**SOC 270 THE CIVIL RIGHTS MOVEMENT**

A survey of the social, economic and political history of the Civil Rights Movement in the United States through the perspective of major events that took place within this movement in the 1950’s and 1960’s. Study of the principles of non-violence and their application in the movement. An examination of how bigotry, discrimination, hatred and violence affect society. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 5b; Area 9D3

Transfer Credit: CSU, UC (IGETC Area 4)

C-ID: SOC 270

**SOC 659 LIFE AND CULTURE OF THE LOCAL AREA - CUBA**

Challenges students to expand their global perspective while exploring life and culture in Cuba. Through direct engagement with the people and places of the host country, students will improve their knowledge of local culture and geography, their ability to communicate across cultural boundaries and prepare themselves for success with increased cultural competency. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

AA/AS Degree Requirements: Area 5a

Transfer Credit: CSU

C-ID: SOC 659

**SOC 210 PUBLIC HEALTH POLICY**

Exploration of public health policy, examining core topics in the study of health and health care delivery. Diverse perspectives on health care policy will be examined from an interdisciplinary approach. Students will develop an understanding of fundamental ideas and problems in the areas of health and medical care. Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.

Transfer Credit: CSU

C-ID: SOC 210
**COURSE DESCRIPTIONS**

**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Prerequisites:** Admission to the Bachelor of Science in Respiratory Care Program; and SOCI 100 or HSCI 135 or PHIL 100 or PHIL 240 or PLSC 210 or PLSC 200 or equivalent.

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**Sociology**

**SOCI 100 INTRODUCTION TO SOCIOLOGY**

An introduction to the scientific study of how people organize themselves and interact in social settings. It encourages students' curiosity about society and sociological analyses of current social issues. It fosters an appreciation of cross-cultural perspectives and allows people to distinguish between personal troubles and public issues. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 9D1  
**Transfer Credit:** CSU (CSU GE Area D), UC (IGETC Area 4)  
**C-ID:** SOCI 110

**SOCI 105 CONTEMPORARY SOCIAL ISSUES**

Examination of selected social issues viewed in relation to changes going on in society, including poverty, aging, health care, corporate power and work. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent.  
**AA/AS Degree Requirements:** Area 9D3  
**Transfer Credit:** CSU (CSU GE Area D), UC (IGETC Area 4G)  
**C-ID:** SOCI 115

**SOCI 108 COMMUNITY RELATIONS**

Study of the complex and dynamic relationship between the criminal justice system and the widely diverse multicultural society it serves in addressing crime and conflict. Emphasis will be on the roles and interaction of administration of justice practitioners and their agencies in the community, the challenges and prospects of administering justice within a diverse multicultural population, crime prevention, restorative justice, conflict resolution, and professional ethics in justice administration. Also listed as ADMJ 108. *Letter Grade Only. Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent. Completion of, or concurrent enrollment in SOCI 100 or ADMJ 100, or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** AJ 160

**SOCI 110 COURTSHIP, MARRIAGE AND FAMILY**

Examining the social, psychological, historical, legal and economic factors relating to changing family, courtship, heterosexual and same sex marriage and partnership patterns: Exploration of changing gender roles, courtship patterns and parenting will also be included. Emphasis will be placed on diversity of families and family forms. Also listed as PSYC 110. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** Eligibility for ENGL 100 or ENGL 105, or equivalent. PSYC 100 or equivalent.  
**AA/AS Degree Requirements:** Area 9D3  
**Transfer Credit:** CSU (CSU GE Area D), UC  
**C-ID:** SOCI 130

**SOCI 129 INTRODUCTION TO RESEARCH METHODS**

Examination of basic principles and methods of sociological research. Application and critique of major research methods, including survey, ethnographic, experimental, discourse, and historical comparative analysis. Identifying fundamental components of sociological research design, such as theory, hypothesis, and variables. Ethical and political implications of social research are also considered. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3  
**Hours/semester:** 48-54 Lecture; 96-108 Homework  
**Recommended:** MATH 200 or equivalent.  
**Transfer Credit:** CSU, UC  
**C-ID:** SOCI 120
SOCI 141 RACE AND ETHNICITY
An introduction to sociological analysis of racial and ethnic construction and its impacts on various social institutions. Exploration of cultural, political, historical, and ideological factors affecting race and ethnic relations. Examination of contemporary forms of racism that affect marginalized racial and ethnic groups in America, and methods to challenge racism and racial inequality. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5a; Area 9D3
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4G)
C-ID: SOCI 150

SOCI 142 FILIPINA/O COMMUNITY ISSUES
An introduction to understanding the sociological, cultural, and psychological aspects of Filipina/o Americans. Using both sociological and psychological frameworks, the course will explore the effects of Spanish and American colonialism; diaspora; assimilation, and decolonization. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5b; Area 9D1
Transfer Credit: CSU (CSU GE Area D), UC (IGETC Area 4G)
C-ID: SOCI 140

SOCI 143 SOCIOLOGY OF MIGRATION AND IMMIGRATION
An introduction to the interdisciplinary study of human migratory movement and immigrant settlement. Using sociological perspectives and research from biology, anthropology, geography, history, sociology, psychology and political science, the course will examine human migration patterns, environmental conditions, political context, economic factors and cultural identity. Students may have the opportunity to trace their ancestor’s migration patterns. Grade Option (Letter Grade or Pass/No Pass). Units do not apply toward AA/AS degree.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 9D1

SOCI 160 SOCIOLOGY OF SEX AND GENDER
Analysis of biological concepts of sex and social constructs of gender, both at a macro level (economy, politics and religion) as well as a micro level (interpersonal relations, power, and sexual identities). Its primary focus will be contemporary United States society, but will include a historical and global comparative analysis. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5a; Area 9D3, 9E1
Transfer Credit: CSU (CSU GE Area E1D), UC (IGETC Area 4G)
C-ID: SOCI 140

SOCI 201 SOCIOLOGY OF HEALTH AND MEDICINE
This course explores sociological perspectives and methods on the study of health and medical practice. Through independent research and analysis it fosters in students an understanding of the social facets of health and disease, the social behavior of health care personnel and people who utilize health care, the social functions of health organizations and institutions, the social patterns of health services, and the relationship of health care delivery systems to other systems and cultures. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 100 or ENGL 105, or equivalent.
AA/AS Degree Requirements: Area 5a; Area 9D3
Transfer Credit: CSU (CSU GE Area D)

SOCI B10 INTERSECTIONALITY AND CITIZENSHIP
Exploration of the intersection of identities: race, ethnicity, socioeconomic class, gender, and citizenship status. Students will explore and analyze how race and ethnicity are socially constructed and intersect with identities such as class and gender. Provides students theoretical frameworks for assessing these constructs and their consequences. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: Admission to the Bachelor of Science in Respiratory Care program; and ENGL 100 or ENGL 105 or equivalent; and SOCI 100 or PSYC 100 or equivalent.

Spanish

Language Lab and Listening Requirement: Students enrolled in foreign language courses are required to make use of the language lab as prescribed by each department. Imitation, response, and independent practice are integral features of the study of a foreign language at the College.

SPAN 110 ELEMENTARY SPANISH
Spanish structures and active vocabulary based on oral and written pattern drills. Conversation based on short dialogues containing only structures already practiced. Cultural content is the context for every single assignment and activity that permeates the grammar and vocabulary lessons. A college-level course equivalent to one year of High School foreign language. Letter Grade Only. Degree Credit.

Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 6A)

C-ID: SPAN 100

SPAN 111 ELEMENTARY SPANISH I
The first course in a two-semester sequence covering the same course materials as SPAN 110. Students starting this sequence must complete SPAN 112 prior to attempting SPAN 120. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

SPAN 112 ELEMENTARY SPANISH II
The second course in a two-semester sequence covering the same course materials as SPAN 110. Students starting this sequence must complete SPAN 111 and SPAN 112 prior to attempting SPAN 120. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: SPAN 111 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC

SPAN 120 ADVANCED ELEMENTARY SPANISH
Students practice and develop further communicative competence in written and spoken Spanish for use in a variety of social and cultural contexts and settings. Cultural Readings are used as the basis of classroom discussions. Cultural aspects of the Spanish-speaking-world are emphasized. The course is conducted primarily in Spanish. It is equivalent to the second year of High School foreign language. Letter Grade Only. Degree Credit.

Units: 5
Hours/semester: 80-90 Lecture; 160-180 Homework
Prerequisites: SPAN 110 or SPAN 112 or equivalent college-level course.

AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 6A)

C-ID: SPAN 110

SPAN 121 ADVANCED ELEMENTARY SPANISH I
For students who can use Spanish to communicate about the “here and now” and relate a simple story in the past. Students practice and develop further communicative competence in written and spoken Spanish for use in a variety of social contexts and settings. Readings are used as the basis of classroom discussions. Cultural aspects of the Spanish-speaking-world are emphasized. The course is conducted primarily in Spanish. Letter Grade Only. Degree Credit.

Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Prerequisites: SPAN 110 or SPAN 112 or equivalent college-level course.

AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 6A)

SPAN 122 ADVANCED ELEMENTARY SPANISH II
For students who can use Spanish to communicate about the “here and now” and relate a simple story in the past. Students practice and develop further communicative competence in written and spoken Spanish for use in a
variety of social contexts and settings. Readings are used as the basis of classroom discussions. Cultural aspects of the Spanish-speaking world are emphasized. The course is conducted primarily in Spanish. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Prerequisites: SPAN 121 or equivalent

AA/AS Degree Requirements: Area 9C2

Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 6A)

SPAN 130 INTERMEDIATE SPANISH

Practice of conversation and composition; review of grammar; reading and discussion of Spanish and Latin-American literature and culture. This course will be taught in Spanish. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 64-72 Lecture; 128-144 Homework

Prerequisites: SPAN 120 or SPAN 122 or equivalent.

AA/AS Degree Requirements: Area 9C2

Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 6A)

C-ID: SPAN 200

SPAN 140 ADVANCED INTERMEDIATE SPANISH

Advanced intermediate Spanish course that offers further practice of conversation and composition based on class readings of works of modern Spanish and Latin American authors; review of grammar; collateral reading of Latin American literature. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 64-72 Lecture; 128-144 Homework

Prerequisites: SPAN 130 or equivalent.

AA/AS Degree Requirements: Area 9C2

Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 6A)

C-ID: SPAN 210

SPAN 160 READINGS IN LITERATURE IN SPANISH

Study of the literary trends and some of the best novels, poetry, and short stories that exemplify Spanish American literature of the 19th, 20th and 21st centuries. Students will become familiar with the cultural, sociological, historical, and political framework of the time the stories discussed take place; and analyze the concerns that the writings approach. Consequently, this course shows how the literature reflects the fantastic reality of the Spanish American world. Cultural aspects of the Spanish-speaking world are highlighted. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 5

Hours/semester: 80-90 Lecture; 160-180 Homework

Prerequisites: SPAN 140 or equivalent.

AA/AS Degree Requirements: Area 9C2

Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 6A)

C-ID: SPAN 220

SPAN 220 SPANISH FOR SPANISH SPEAKERS I

Designed for students who speak and understand basic Spanish because of life experience, but who also need practice in reading and writing Spanish and want to improve their knowledge/command of grammar and other linguistic features. Students practice and develop improved communicative competence in written and spoken Spanish for use in a variety of social contexts, settings, and registers. Readings are used as the basis of classroom discussions and writing practice. Cultural aspects of the Spanish-speaking world are emphasized. The course is conducted primarily in Spanish. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 5

Hours/semester: 80-90 Lecture; 160-180 Homework

Prerequisites: SPAN 140 or equivalent.

AA/AS Degree Requirements: Area 9C2

Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 6A)

C-ID: SPAN 220

SPAN 230 SPANISH FOR SPANISH SPEAKERS II

Designed primarily for Spanish speaking students who are comfortable with oral communication. This course includes vocabulary development, spelling and accents, registers, dialectal variation, cultural readings and introduction to Spanish language literature of South America. Students expand on their own experience and values, and develop an appreciation of the diversity of the various Latino cultures and their influence in the US. Class is conducted entirely in Spanish. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

Units: 5

Hours/semester: 80-90 Lecture; 160-180 Homework

Recommended: SPAN 220 or equivalent.
AA/AS Degree Requirements: Area 9C2
Transfer Credit: CSU (CSU GE Area C2), UC (IGETC Area 3B; Area 6A)
C-ID: SPAN 230

SPAN 695 INDEPENDENT STUDY IN SPANISH
Designed for students who are interested in furthering their knowledge via self-paced, individualized instruction provided in selected areas or directed study to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students may take only one Independent Study course within a given discipline. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 3
Hours/semester: 24-162 Lab
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

Surgical Careers
See also listings under Anesthesia Technology.

SURG 440 BASIC SCIENCES FOR SURGICAL TECHNOLOGY
This course reviews human anatomy and physiology for surgical procedures and common disease states requiring surgical intervention. The course also covers medications used during surgery. Concepts of microbiology and basic physics are discussed as they are applied to operating room procedures and practices. Letter Grade Only. Degree Credit.
Units: 6.5
Hours/semester: 96-108 Lecture; 24-27 Lab; 24-27 TBA; 168-189 Homework
Prerequisites: Admission to the Surgical Technology Program.

SURG 441 SURGICAL PATIENT CARE CONCEPTS
Provides the student with a theoretical and practical understanding of the technology and practices used in caring for a patient undergoing a surgical procedure. Additional material covers the structure and function of a healthcare facility and specifically the Operating Room. Letter Grade Only. Degree Credit.
Units: 5.5

SURG 442 SURGICAL SPECIALTIES
This class covers the most common procedures and equipment utilized by the surgical technologist during specialty surgery. These specialties include neurosurgery, vascular surgery, orthopedic surgery and others. The course prepares the student for the national certification exam. Letter Grade Only. Degree Credit.
Units: 6
Hours/semester: 96-108 Lecture; 192-216 Homework
Prerequisites: SURG 440 and SURG 441 or equivalent.

SURG 443 CLINICAL PRACTICE FOR SURGICAL TECHNOLOGY
This class provides the student with hands-on experience in the surgical suite caring for patients under the supervision of a surgical technologist or a registered nurse. They will also gain experience in patient and staff interaction and communication. It prepares the student for the national certification examination. Prerequisite: Completion of Surg 440 and 441 with a grade of C or better and a current healthcare provider CPR card. Pass/No Pass Only. Degree Credit.
Units: 8
Hours/semester: 512 Work Experience
Prerequisites: SURG 440 and SURG 441 or equivalent; and a current healthcare provider CPR card.

SURG 445 INTRO TO CENTRAL SERVICE TECHNOLOGY
The first of three courses providing an introduction to concepts and practical applications of central service processing, distribution and instrumentation. This includes basics of human anatomy, infection control, aseptic technique, sterile processing, decontamination and disinfection. Letter Grade Only. Degree Credit.
Units: 6.5
Hours/semester: 64-72 Lecture; 120-135 Lab; 128-144 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
SURG 446 CLINICAL PRACTICE FOR CST
The third of three courses in Central Service Technology. Provides the student with supervised experience in sterile processing, supply distribution and inventory control. Pass/No Pass Only. Degree Credit.
Units: 3
Hours/semester: 192 Work Experience
Prerequisites: SURG 448 or equivalent.

SURG 448 CLINICAL LAB PRACTICUM FOR CENTRAL SERVICE TECHNOLOGY
The second of three courses provides the student with hands-on experience in the processing of surgical instruments and medical supplies for disinfection and/or sterilization in a simulated lab and prepares them for the program's clinical phase. The student will practice decontamination, disinfection, inspection, packaging, and sterilization of selected items. Pass/No Pass Only. Degree Credit.
Units: 2
Hours/semester: 96-108 Lab
Prerequisites: SURG 445 or equivalent.

SURG 451 SURGICAL SKILLS LAB
Student practices the clinical skills required to demonstrate competency in the operating room. Skills include, but are not limited to, aseptic practices such as scrubbing, gowning and gloving, setting up the instrument table, positioning the patient, and passing instruments supplies and medications to the surgeon. Prepares the student for clinical internship. Pass/No Pass Only. Degree Credit.
Units: 5.5
Hours/semester: 264-297 Lab; 24-27 TBA; -24--27 Homework
Prerequisites: SURG 440 or equivalent.
Corequisites: SURG 441

SURG 455 CERTIFIED SURGICAL TECHNOLOGIST (CST) EXAM PREPARATION
Preparation and review for the Certified Surgical Technologist (CST) examination offered by the National Board of Surgical Technology and Surgical Assisting. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5
Hours/semester: 24-27 Lab
Prerequisites: SURG 442 and SURG 443 or equivalent.

SURG 665 SELECTED TOPICS IN SURGICAL TECHNOLOGY AND CENTRAL SERVICE/STERILE PROCESSING
Designed to develop specific skills that are utilized in the practice of surgical and central service technology. Topics will rotate and will focus on new areas of practice or specialized skills. Grade Option (Letter Grade or Pass/No Pass).
Units: 0.5 - 2
Hours/semester: 8-36 Lecture; 16-72 Homework

Wellness
See also listings under Cosmetology.

WELL 665 SELECTED TOPICS IN WELLNESS
Short courses designed to increase or develop new skills and knowledge related to self enhancement; information for students interested in exploring career opportunities in the Massage/Spa/Wellness fields. Some classes may go beyond the introductory level to assist students and working professionals in expanding current knowledge and skills. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5 - 2
Hours/semester: 8-36 Lecture; 16-72 Homework

WELL 700 MASSAGE THEORY AND PRACTICE I
Exploring massage by introducing students to the history, knowledge, skill development, and practice associated with the massage therapy profession. Topics include massage theory, practical experience, Swedish/relaxing massage techniques as well as fundamentals of deep pressure and an introduction to other popular massage modalities. Students also explore professional standards, ethics, musculoskeletal and associated anatomical and physiological systems among other related topics. Letter Grade Only. Degree Credit.
Units: 3.5
Hours/semester: 48-54 Lecture; 24-27 Lab; 96-108 Homework
Prerequisites: Admission to massage therapy program by special application.
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
**WELL 703 HOLISTIC HEALTH SCIENCE**
Holistic approach to understanding the structure and function of the human body, incorporating Western and Eastern perspectives of anatomy, physiology, and medical terminology of all the systems. Emphasis is on the fundamental understanding of clinical applications and related physiological indications and implications of massage/manual therapy associated with various integrative therapies. Understanding of science and other respective traditional medical philosophies regarding anatomy and physiology supports greater communication among multi-disciplined practitioners within this profession. 
*Grade Option (Letter Grade or Pass/No Pass). Degree Credit.* 
**Units:** 4  
**Hours/semester:** 64-72 Lecture; 128-144 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**WELL 704 MASSAGE TECHNIQUES AND CLINICAL/SPA EXPERIENCE**
Explores specific bodywork techniques with emphasis on grounding, quality of touch, connection, proper application of technique/s, palpation, draping, body mechanics, self-care, and injury prevention. Developing and practicing these various techniques to expand and cultivate the ability to implement bodywork based upon individualized needs while fostering effective communication, assessment and treatment strategies. Skills will be practiced on the general public in a state of the art professional setting.  
*Grade Option (Letter Grade or Pass/No Pass). Degree Credit.* 
**Units:** 3.5  
**Hours/semester:** 48-54 Lecture; 24-27 Lab; 96-108 Homework  
**Prerequisites:** Admission to the Massage Therapy Program by special application.  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**WELL 705 MASSAGE THEORY AND PRACTICE II**
Exploring massage therapy by further integrating spa and clinical perspectives associated with professional disciplines, knowledge, skill development, assessment and practice. Marketing, business, government laws and regulations, and maintaining proper documentation will be discussed. Topics include greater depth in massage theory, deep tissue massage techniques, tissue manipulations, and massage associated specifically to various special populations (athletes, physically challenged, among others).  
*Letter Grade Only. Degree Credit.* 
**Units:** 3.5  
**Hours/semester:** 48-54 Lecture; 24-27 Lab; 96-108 Homework  
**Prerequisites:** Completion of or concurrent enrollment in, WELL 700 and WELL 703 or CAMTC approved school equivalent.

**WELL 706 INTRODUCTION TO REFLEXOLOGY**
Exploration of the history, theory, and techniques of reflexology, and how reflex points relate to the body. Learn to apply individualized assessment criteria and associated techniques with various sequences of reflexology in conjunction with hand and foot massage.  
*Grade Option (Letter Grade or Pass/No Pass). Degree Credit.* 
**Units:** 1  
**Hours/semester:** 16-18 Lecture; 32-36 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**WELL 707 FOUNDATIONS OF AROMATHERAPY AND ESSENTIAL OILS**
Exploration of the history and use of essential oils , focusing on physiological function, extraction methods, safety, storage and purity. Study of selecting essential oils, dilutions in carrier oils, blending, and their different therapeutic properties for sustainable health and well-being.  
*Grade Option (Letter Grade or Pass/No Pass). Degree Credit.* 
**Units:** 2  
**Hours/semester:** 32-36 Lecture; 64-72 Homework  
**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**WELL 708 PATHOLOGY AND PHARMACOLOGY FOR MASSAGE THERAPISTS**
An integrative perspective on the causes and effects of disease and the disease process in the context to the massage therapy profession. Focus on physiological mechanisms, disease states and symptoms, clinical assessments and indications / contraindications associated with diseases and disorders. Basic principles of pharmacology and commonly prescribed pharmaceuticals are also covered. This course cultivates greater understanding, dialogue and collaboration between clients/patients and holistic medicine health care professionals. 
This course does not teach students to diagnose since that is outside the scope of practice for massage therapy.  
*Grade Option (Letter Grade or Pass/No Pass). Degree Credit.* 
**Units:** 2  
**Hours/semester:** 32-36 Lecture; 64-72 Homework
**WELL 710 CLINICAL KINESIOLOGY AND APPLIED BIOMECHANICS FOR MANUAL THERAPY**

Client assessment through palpation of the structures and landmarks of the human body. Examination and analysis of the functional movements required for assessments. Applied biomechanics specific to neurological and musculoskeletal systems. Palpation skills include functional range of motion assessments such as motion implementation, manual muscle testing, and goniometer readings, among other assessment skills. Principles of structural kinesiology are presented in relation to functional mobility, body mechanics, gait, applied biomechanical analysis and joint specific palpation skills. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Prerequisites:** WELL 703, or BIOL 250, or an equivalent courses taken at a CAMTC-approved institution.

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.

**Transfer Credit:** CSU

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**WELL 711 SPORTS MEDICINE AND MANUAL THERAPY**

Introduction to the theory and practice of various manual therapy techniques used in sports medicine, including sports, trigger point, neuromuscular therapy, and facilitated stretching among others. Emphasis is on critical assessment skills for common conditions/injuries and evaluation to determine the treatment strategy/session planning for implementing manual therapy and massage techniques. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3.5

**Hours/semester:** 48-54 Lecture; 24-27 Lab; 96-108 Homework

**Prerequisites:** WELL 703 or equivalent Anatomy and Physiology course taken at a community college or CAMTC-approved institution.

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**WELL 714 MASSAGE THERAPY EXAM PREPARATION**

Preparation and review for the Massage and Bodywork Licensing Exam. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 2

**Hours/semester:** 32-36 Lecture; 64-72 Homework

**Prerequisites:** WELL 705 and WELL 708 and WELL 710 and WELL 711 and WELL 725 or completion of a minimum of 500 hours at a CAMTC-approved school.

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**WELL 715 INTEGRATED MASSAGE AND MANUAL THERAPY TECHNIQUES**

Explores integrating various bodywork techniques implemented within spa, clinical and private practice employment environments. Reinforces palpation, functional assessment skills, body mechanics and practicing integrating these various techniques to expand and cultivate the ability to implement bodywork based upon individualized needs. Fostering effective communication, assessment and treatment strategies. Skills will be practiced on the general public in a state of the art professional setting. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

**Units:** 3

**Hours/semester:** 40-45 Lecture; 24-27 Lab; 80-90 Homework

**Prerequisites:** WELL 705 or certification as a massage therapist, or previous massage therapy training in Swedish and deep tissue techniques and education.

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**WELL 717 ONCOLOGY MASSAGE**

Exploration of the art of touch to create effective and safe massage treatment strategies/sessions associated with oncology. Introduction to guidelines for a range of bodywork that can be used effectively within hospital, private practice, and hospice settings. Review standards of care for cancer patients, research protocols, and other topics related to cancer treatment and survivorship.
WELL 718 STRESS MANAGEMENT TECHNIQUES FOR HEALTH AND WELLNESS
Exploring stress management techniques providing support when dealing with challenging situations associated with every-day stress. Learning the sources of stress, physiological implications, prevention and various stress reducing techniques. Meditation, breathing, and guided visualization techniques, among other stress reduction modalities. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

WELL 721 FOUNDATIONS OF AYURVEDIC AND CHINESE MEDICINE THEORY
Exploration of the basic principles and practices of Ayurvedic and Chinese medical theories and their view of the human body as fields of shifting and flowing energy in dynamic relationship with nature and the Universe. Comparative perspectives and benefits of these therapeutic approaches, including channels (meridians - TCM, srotamsi and nadis in Ayurvedic), and points (acupoints and marma), essential oils, the use of finger pressure points and various massage techniques in traditional Ayurvedic and Chinese medicine theories. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

WELL 722 INTRODUCTION TO CONSCIOUSNESS, INTENT AND MEDITATION
Explores energy therapies and consciousness from Eastern and Indigenous traditions of healing and how levels of consciousness are nurtured and cultivated through dynamic relationships between mind, body, and spirit. The focus is to understand energy therapies, its relevance to consciousness and its dynamic relationship with intent and meditation from multiple cultural perspectives. Learning how to integrate these methods into our personal and professional lives to promote individual wellness, health and healing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

WELL 723 AYURVEDIC AROMATHERAPY
Ayurvedic aromatherapy is an ancient healing technique with emphasis on using essential oils to bring the body into balance for health and healing. Focus on Ayurvedic foundations, concepts of Dosha, and use of essential oils to support the immune system and counterbalance stress and anxiety. Addresses how and what essential oils are appropriate to balance Chakras and individualized Dosha constitutions for maintaining health and wellness. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

WELL 725 GLOBAL PERSPECTIVES OF MEDITATION
Exploring different global perspectives of meditation that fosters self-discovery and expands personal awareness of the health and healing benefits. Designed for the beginning meditator to the healing professional we will implement various meditation approaches that one can choose to practice that fits their lifestyle needs for overall health and healing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
WELL 731 INTRODUCTION TO SOUND HEALING
Discover sound and healing from comparative global perspectives fostering self-discovery and expanding awareness of traditional knowledge identifying sound as an integral part of healing. Transmit experiential techniques and insights to implement and understand sound and its dynamic relationship with our overall health and wellness. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

WELL 732 INTRODUCTION TO QIGONG/QI GONG
Exploration of fundamental Qigong theories and practice. Students learn Chinese Medicine perspectives which combine mental focus, intention, breath and movement to cultivate energy and create a state of balance among mind, body and spirit. Emphasis on understanding the concepts, cultural heritage, and application of specific Qigong forms for prevention, health and healing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 0.5
Hours/semester: 8-9 Lecture; 16-18 Homework

WELL 733 TAI CHI FOR HEALTH
Exploration of the history, cultural heritage and theories associated with simple short form (24) movement techniques of Yang style Tai Chi. Principles of Tai Chi from its roots in the East, including Western perspectives. Focus on the interrelationship between mind, body and spirit, and the cultivation of internal Qi by using breath and movement to improve and maintain optimal health and well-being. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 1
Hours/semester: 16-18 Lecture; 32-36 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

WELL 740 CONSCIOUS EATING: A SUSTAINABLE APPROACH TO HEALTH AND HEALING
Explores the connection between our health and eating from various cultural perspectives. Demystifying food used for healing from global medicinal perspectives comparing similarities and differences. Encompassing dynamic relationships between the food we eat, our consciousness, attitudes and the environment with which we live and how it relates to our health. Providing greater clarity and more informed choices promoting a sustainable approach to health and healing. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 2
Hours/semester: 32-36 Lecture; 64-72 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

WELL 742 HERBAL/BOTANICAL MEDICINE AND ETHNOBOTANY
An introductory overview of various traditional herbal medicine practices, history, and theories. Focus on botanical medicine, ethnomedicine, homeopathy, and Chinese and Ayurveda perspectives. The political, socioeconomic, and environmental influences in preserving the cultural heritage of medicinal plants and associated traditional medicine systems will also be covered, along with contemporary herbal practices and related professions. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.

WELL 760 INTRODUCTION TO HOLISTIC, COMPLEMENTARY AND INTEGRATIVE HEALTH/MEDICINE
Interdisciplinary survey of various holistic health disciplines, their history, philosophy, theory, and practice in complementary and integrative medicine (CIM) currently used in the United States. Topics may include osteopathic, chiropractic, naturopathic, homeopathic, mind-body medicine, acupuncture, yoga, massage, and meditation, among others. Overview of research, increasingly showing efficacy, for many of these associated therapies. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.
Units: 3
Hours/semester: 48-54 Lecture; 96-108 Homework
Recommended: Eligibility for ENGL 846 or ESOL 400, or equivalent.
Transfer Credit: CSU

WELL 765 EVERYDAY USES OF HERBS
Designed to explore the use of herbs to maintain health and well-being. Topics include the history, categories, selection process, preparation methods, indications/contraindications with everyday use of herbs. Students are
aware that they do not diagnose or prescribe herbs. The knowledge gained can be use in conjunction with, not in lieu of, one's health care provider. Grade Option (Letter Grade or Pass/No Pass). Degree Credit.

**Units:** 3

**Hours/semester:** 48-54 Lecture; 96-108 Homework

**Recommended:** Eligibility for ENGL 846 or ESOL 400, or equivalent.
Faculty & Administration

Skyline College Administration

INTERIM PRESIDENT
Jannett Jackson

VICE PRESIDENT, INSTRUCTION
Jennifer Taylor-Mendoza

VICE PRESIDENT, STUDENT SERVICES
Angélica Garcia

VICE PRESIDENT, ADMINISTRATIVE SERVICES
Eloisa Briones

• Cherie Colin. Director, Community Relations & Marketing
• John Doctor. Facilities Operations Manager
• Luis Escobar. Dean, Counseling, Advising and Matriculation
• Christopher Gibson. Dean, Language Arts/Learning Resources Division
• Raymond Hernandez. Dean, Science/Math/Technology Division
• Lasana Hotep. Executive Director, the Equity Institute
• Michael Kane. Dean, Business, Education, and Professional Programs Division
• William Minnich. Dean, Enrollment Services
• Rolin Moe. Dean, Academic Support and Learning Technologies Division
• Joseph Morello, Jr. Dean, Kinesiology/Athletics/Dance Division
• Danni Redding Lapuz. Dean, Social Science/Creative Arts Division
• Jim Vangele. Public Safety Captian
• Ingrid Vargas. Dean, Planning, Research and Institutional Effectiveness
• Andrea Vizenor. Dean, Strategic Partnerships and Workforce Development
• Russell Waldon. Dean, Global Learning Programs and Services Division
• TBD. Dean, Student Equity and Support Programs
Faculty And Other Academic Personnel

(Date of original appointment follows name.)

- Anttila-Suarez, Carina (2013)
  Professor, Biology
  B.S., University of the Pacific
  M.A., Sonoma State University
  Ph.D., University of Joensuu

- Aquino, Yancy (2019)
  Associate Professor, Biology
  A.S., Skyline College
  B.S., San Francisco State University
  M.D., University of the East Ramon Magsaysay Memorial Medical Center, Philippines

  Professor, Administration of Justice
  A.A., College of San Mateo
  B.A., University of San Francisco
  M.P.A., Notre Dame de Namur University

- Ayotte, Lindsey (2018)
  Associate Professor, Communication Studies
  B.A., M.A., San Francisco State University

  Professor, Chemistry
  B.S., M.A., Indiana University

- Batista, Michelle Y.
  Director of Student Support
  B.A., M.A., Saint Mary’s College of California

- Bell, Rachel (1997)
  Professor, English and Reading
  B.A., University of California, Santa Barbara
  M.A., San Diego State University

- Bell, Rosemary (1999)
  Professor, History
  B.A., York College – CUNY
  M.A., New York University

- Bookstaff, Shari (1992)
  Professor, Biology
  B.S., University of Wisconsin
  M.A., Columbia University

- Bridenbaugh, Paul (2013)
  Professor, Art
  B.A., University of California, Santa Cruz
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- Briones, Eloisa (2015)
  Vice President, Administrative Services
  BSBAA, University of the Philippines

  Professor, Education/Child Development
  B.A., Stanford University
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- Broxholm, Tom (1994)
  Professor, Automotive Technology
  Coordinator, Evening Automotive Program

- Bruno, Zachary (2011)
  Professor, Music
  B.A., University of California, Berkeley
  M.M., University of the Pacific
  D.M.A., Boston University

- Buckingham, George A. (1991)
  Professor, History
  A.A., College of Alameda
  B.A., University of California, Berkeley
  M.A., Hayward State University

- Calderon, Tammy (2013)
  Associate Professor, Cosmetology
  A.S., Skyline College
  B.S., University of Phoenix

- Case, Christine L. (1971)
  Professor, Microbiology, Biology
  A.A., City College of San Francisco
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- Castro, Luciana (1998)
  Professor, Spanish
  Coordinator, Foreign Languages
  B.A., University of Sao Paulo, Brazil
  M.A., Ph.D., University of California, Los Angeles

- Chandler, Vincent (2018)
  Associate Professor, Communication Studies
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- Choi, Younga (2013)
  Professor, Mathematics
  B.A., M.A., The University of Montana

- Chu-Mraz, Serena (2013)
  Professor, English for Speakers of Other Languages
  B.A., University of California, Davis
  M.A., University of Washington
  M.A., Seattle University

- Clay, Brianna (2016)
  Assistant Professor, TRiO Counseling
  B.A., Saint Mary’s College of California
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- Colombetti, Carlos (1998)
  Professor, Philosophy
  B.A., University of California, Berkeley
  Ph.D., University of California, Irvine

- Cooney, Steven (1988)
  Professor, Cooperative Education
  A.A., Shasta College
  B.A., San Francisco State University

- Corsiglia, Kevin (2005)
  Professor, Kinesiology
  Head Coach Women’s Soccer
  B.S., Cal Poly, San Luis Obispo
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- Cross, Michael (2014)
  Professor, English
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  Director, MESA Program
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• Freedman, Jonathan (2002)
  Professor, Mathematics
  B.A., University of California, Santa Cruz
  M.A., Stanford University
  M.A., San Francisco State University
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  Vice President, Student Services
  B.A., St. Mary's College of California
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  Ed.D., San Francisco State University
• Ghori, Zaid (2015)
  Director, Special International Programs
  B.S., State University of New York at Oneonta
  M.P.A., California Baptist University
• Gibson, Christopher (2011)
  Dean, Language Arts
  B.A., M.A., University of Texas at El Paso
  Postsecondary Reading Certificate, San Francisco State University
• Gleyzer, Filipp (2015)
  Associate Professor, Automotive Technology
  A.S., Skyline College
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  Counselor, Career
  B.A., M.S., San Francisco State University
• Grandy, Carla (2014)
  Director, Guided Pathways and Comprehensive Redesign
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• Hasson, David (2011)
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  Dean, Science/Mathematics/Technology Division  
  A.S., Fresno City College  
  B.A., St. Mary’s College  
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  B.A., Texas State University – San Marcos  
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  Associate Professor, Communication Studies  
  A.A., Casper College  
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  Professor, English, Journalism  
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  Professor, Biology  
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  Dean, Kinesiology/Dance/Athletics  
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  Professor, Art
  B.F.A., University of Oklahoma
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  Professor, English for Speakers of Other Languages
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  B.A., San Francisco State University
  M.A., School for International Training
• Slichton, Lori (2000)
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  Professor, Dance
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  Director, TRIO
  B.A., Ed.M., State University of New York at Buffalo
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  B.A., California State University, Northridge
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  Vice President, Instruction
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  B.A., Claremont McKenna College
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  A.A., Modesto Junior College
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• Vargas, Ingrid (2019)
  Dean, Planning, Research, Innovation, and Effectiveness
  B.A., Queens College of the City University of New York
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• Vizenor, Andrea (2016)
  Dean, Strategic Partnerships and Workforce Development
  B.A., University of San Francisco
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• Walawalkar, Sanjyot (Pia) (2018)
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  B.A., M.A., University of Mumbai
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  Dean, Global Learning Programs and Services
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  Computer Science, Mathematics  

• Barchas, Kathryn (2003) 
  Sociology  

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  Counselor  

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  Dean, Language Arts/Learning Resources  

• Bestock, Donna (2017) 
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• Biagi, Laurie (2016) 
  Cosmetology  

• Bowsher, James (2019) 
  English  

• Brandriff, Robert K. (1976) 
  English  

• Brenner, Eric (2018) 
  Librarian  

• Brown, Donald H. (2000) 
  History, Social Science  

• Campbell, Lester S. (1993) 
  Psychology, Counselor  

• Campillo, Carla (2015) 
  Counselor  

• Carr-Casanova, Rosario (2003) 
  Counselor  

• Chan, Stella (1994) 
  Librarian  

• Chandler, Chip (2015) 
  Kinesiology  

• Chavez, John E. (2014) 
  Mathematics, Learning Center Specialist  

• Christman, Terry L. (2005) 
  Physical Education  

• Ciraolo, Jerry M. (2009) 
  Automotive Technology  

• Conrad, Robert (2001) 
  Music  

• Cornejo, William R. (1992) 
  Administrator, Counselor  

• Deamer, Patricia A. (2012) 
  Mathematics  

• DeMartini, Edward (1997) 
  Photography  

• DeYoung, Frances C. (1990) 
  German, English  

• Eadus, Dennis (2011) 
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• Ellis, Marilyn (1998) 

History, Social Science
- Erickson, Patricia J. (1998)
  Home Economics
  Automotive Technology
  Psychology
- Gaeta, Rachel (1998)
  Cosmetology
- Gillanders, Molly (1981)
  College Nurse
  English, Physical Education
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  Mathematics, Physics
- Graham, Mary E. (2005)
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- Grasso, Angelica (2003)
  Emergency Medical Technology
- Graubart, Stanley (1993)
  Counselor
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  English
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- Heldberg, Judith (2010)
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  Psychology
  Physical Education
  Director, Library Services
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- Hoyos, Josue F. (1998)
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- Hsu, Sandra (2018)
  Biology
  Automotive Technology
- Johnson, Edwin (2001)
  Dean, Physical Education/Recreation Education Director of Athletics
- Jones, Chester (2014)
  Cooperative Education
- Kartsounis, Mary (1988)
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  Economics
  Geology
- Larson, Eric (2015)
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  English, ESL
- Lawry, Dr. Bernice K. (1990)
  Business, Counselor
- Leach, Rosemary E. (2001)
  Consumer Sciences, Fashion Merchandising
  Cosmetology
- Lindgren-Young, Elizabeth S. (2007)
  English
- Lombardi, Mario (1995)
  Counselor
- Lowell Kassity, Barbara (2011)
  Health Science
- Lualhati, Robert (1998)
  Physical Education
- Marcus, Marc A. (1992)
  Psychology
  Drama, Speech
  Psychology
- McBain, John (1985)
  Political Science
- Meadows, Margery (2010)
  Dean, Business
  Mathematics
- Millar, Robert R. (2009)
  Music
- Miller, Margaret (2002)
  Computer Science, Mathematics
- Ming, Daniel (2019)
  Automotive Technology
- Morita, Lynn S. (2011)
  Cosmetology
  President
- Motipara, Sita (2017)
  Business/Business Computer Systems and Management
- Moynihan, Michael (2015)
  Sociology
- Muller-Moseley, Claire A. (2019)
  Family & Consumer Sciences
- Nardozzo, Yolanda (2007)
  Speech Communication
- Nicol, Garrett L. (2016)
  English, ESL
  Spanish
- Oliver, Douglas C. (1999)
  Social Science, History
- Ortiz, Guillermo (2019)
  Business
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Counselor; Coordinator, Career Center
- Peel, Gerald (2005) Hospitality Administration
- Pelayo, Regina (2014) Cosmetology
- Perkins, Sarah F. (2016) Vice President, Instruction
- Poor, T. Clara (1988) Speech
- Roumbanis, Christine (2019) Dean, Business, Education and Professional Programs
- Sanden, Nancy (1990) College Nurse
- Shaw, Marvin S. (1982) English
- Smith, Robert H. (2002) Biology, Chemistry
- Spakowski, Paul (2018) Automotive Technology
- Stanback Stroud, Regina (2019) President Emerita
- Standifer, Michael J. (2003) Administration of Justice
- Sterling, Joanne (1994) Cosmetology
- Stevens, Susanne (2001) Vice President, Instruction
- Sullivan, Kevin R. (2014) Automotive Technology
- Sullivan, Thomas (2006) English
- Thompson, Omer (2010) Telecommunications, Wireless & Network Information Technology
- Trainer, James F., Jr. (1991) Biology
- Unger, Joyce (1998) Social Science, WIT Program
- Van Sciver, Linda (2009) Coordinator, Disabled Students Program
- Vogel, Linda (2010) English
- Watkins, Mary Judith (1995) Political Science
- Welch, Donald W. (1993) Geography, Anthropology
- Westfall, Jeffrey (2012) English
- Williamson, Michael (2012) Vice President, Instruction
- Wolbers, Dennis (2017) Librarian
- Wright, George (2013) History
- Yee, Edmund (2019) Automotive Technology
- Young, Barbara (2004) Business
- Zucker, Melvin B. (2013) Geology, Oceanography, Marine Biology
Campus Map

Legend
- Loop Road Detour
- Construction Area
- Student Parking
- Staff Parking
- Visitor Parking
- Parking Permit Dispenser
- Bus Stop
- Smoking Area
- Accessible Parking
- Handicap Parking
- Accessible Elevator
- Red Wheel Stop
- Bicycles Parking
- Pay Phone
- Universal Access Route
- Vanpool Parking
- Efficient Vehicle Parking

OFFICE
- Academic Support and Learning Technologies
- Administration
- Admissions & Records
- Art Gallery
- Automotive
- Bookstore
- Business
- Career Services
- Career Services Office
- Center for Student Life and Leadership Development
- Center for Transformative Teaching and Learning
- Child Development Laboratory Center
- Center for Workforce Development
- Cosmetology
- Counseling
- Disability Resource Center
- Distance Education Center
- Facilities Maintenance Center
- Fieldhouse
- Financial Aid
- Frieside Dining Room
- Global Learning Programs and Services
- Gymnasium
- Health Center
- Kinesiology (PE)/Athletics/Dance
- Language Arts
- Learning Center
- Middle College
- Library
- Pacific Heights (PH)
- Portable Classrooms
- Public Safety
- Restrooms
- Sciences & Allied Health
- Smorg Reference
- Social Sciences/Creative Arts
- SparkPoint at Skyline College
- Student & Community Center
- Student Services/One-Stop Center
- Theater
- Veterans Resource Center
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MISSION
To empower and transform a global community of learners.

VISION
Skyline College inspires a global and diverse community of learners to achieve intellectual, cultural, social, economic, and personal fulfillment.