Welcome to Merritt!

On behalf of the faculty, staff and administration, it is an honor and a pleasure to welcome you to Merritt College. The entire college staff is available to support your academic goals and ensure that your stay at Merritt is your best possible educational experience.

Merritt College is one of the four colleges in the Peralta Community College District. We have served as a comprehensive two-year college for more than 50 years providing exceptional programs, courses and services.

Whether you plan to transfer to a university, want to acquire technical skills for entrance or advancement in employment, have a desire for educational enrichment, or want to develop the foundational skills necessary to enter a field of your choice, you will find that we offer courses that meet your needs.

We are happy that you have decided to select Merritt College to pursue your educational goals. I am confident that your educational experience here will be beneficial, satisfying and enriching.

Sincerely,

Robert Adams, Ed.D.
President
PERALTA COMMUNITY COLLEGE DISTRICT

BOARD OF TRUSTEES

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Linda Handy, Trustee
Marcie Hodge, Trustee
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and Vice Chancellor for Human Resources

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Linda Berry, Vice President of Instruction
Vacant, Vice President of Student Services
Stacy Thompson, Division Dean, Humanities and Social Sciences Division
Rebecca Kenney, Division Dean, Mathematics, Science & Vocational Programs Division
Anthony Powell, Dean of Student Support Services/DSPS and Student Activities
Jacquelin Bell, Business and Administrative Services Manager
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# College Calendar 2009-2010

## Fall Semester 2009

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<tr>
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<th>Day</th>
<th>Event Description</th>
</tr>
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<tbody>
<tr>
<td>August 18-19</td>
<td>T-W</td>
<td>Professional Days - No classes</td>
</tr>
<tr>
<td>August 20</td>
<td>Th</td>
<td>Day and evening instruction begins</td>
</tr>
<tr>
<td>August 22</td>
<td>S</td>
<td>Saturday instruction begins</td>
</tr>
<tr>
<td>September 5</td>
<td>S</td>
<td>Last day to drop full-term credit classes and receive a refund. Note: Short-term and open-entry/open-exit classes must be dropped on or before the first day of class to receive a refund.</td>
</tr>
<tr>
<td>September 7</td>
<td>M</td>
<td>Labor Day - Holiday observance</td>
</tr>
<tr>
<td>September 8</td>
<td>T</td>
<td>Census Day - Instructors verify enrollment in classes</td>
</tr>
<tr>
<td>September 19</td>
<td>S</td>
<td>Last day to drop full-term credit classes without a &quot;W&quot; appearing on transcript; date varies for short-term and open-entry/open-exit classes.</td>
</tr>
<tr>
<td>October 20</td>
<td>T</td>
<td>Professional Day - Classes do not meet</td>
</tr>
<tr>
<td>October 23</td>
<td>F</td>
<td>Last day to file petitions for AA or AS degree/certificate</td>
</tr>
<tr>
<td>November 11</td>
<td>W</td>
<td>Veteran’s Day - Holiday observance</td>
</tr>
<tr>
<td>November 25</td>
<td>W</td>
<td>Attendance Verification Day - Instructors verify enrollment in classes</td>
</tr>
<tr>
<td>November 25</td>
<td>W</td>
<td>Last day to drop full-term credit classes with a &quot;W&quot; appearing on transcript</td>
</tr>
<tr>
<td>November 26-27</td>
<td>Th-F</td>
<td>Thanksgiving - Holiday observance</td>
</tr>
<tr>
<td>November 28-29</td>
<td>S-Su</td>
<td>Saturday and Sunday classes do not meet</td>
</tr>
<tr>
<td>December 12</td>
<td>S</td>
<td>Saturday instruction ends</td>
</tr>
<tr>
<td>December 14-18</td>
<td>M-F</td>
<td>Final examination week</td>
</tr>
<tr>
<td>December 18</td>
<td>F</td>
<td>Fall semester ends</td>
</tr>
<tr>
<td>December 23</td>
<td>W</td>
<td>Grade rosters/rollbooks due</td>
</tr>
<tr>
<td>December 24-January 1</td>
<td></td>
<td>Holiday closure</td>
</tr>
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## Spring Semester 2010

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 18</td>
<td>M</td>
<td>Martin Luther King Day - Holiday Observeance</td>
</tr>
<tr>
<td>January 19-20</td>
<td>T-W</td>
<td>Professional Days - No classes</td>
</tr>
<tr>
<td>January 21</td>
<td>Th</td>
<td>Day and evening instruction begins</td>
</tr>
<tr>
<td>January 23</td>
<td>S</td>
<td>Saturday instruction begins</td>
</tr>
<tr>
<td>February 4</td>
<td>Th</td>
<td>Last day to drop full-term credit classes and receive a refund. Note: Short-term and open-entry/open-exit classes must be dropped on or before the first day of class to receive a refund.</td>
</tr>
<tr>
<td>February 6</td>
<td>S</td>
<td>Last day to add classes</td>
</tr>
<tr>
<td>February 8</td>
<td>M</td>
<td>Census Day - Instructors verify enrollment in classes</td>
</tr>
<tr>
<td>February 12</td>
<td>F</td>
<td>Lincoln’s Birthday - Holiday observance</td>
</tr>
<tr>
<td>February 13-14</td>
<td>S-Su</td>
<td>Saturday and Sunday classes do not meet</td>
</tr>
<tr>
<td>February 15</td>
<td>M</td>
<td>Washington’s Birthday - Holiday observance</td>
</tr>
<tr>
<td>February 16</td>
<td>T</td>
<td>Last day to drop full-term credit classes without a &quot;W&quot; appearing on transcript; date varies for short-term and open-entry/open-exit classes.</td>
</tr>
<tr>
<td>March 19</td>
<td>F</td>
<td>Last day to file petitions for AA or AS degree/certificate</td>
</tr>
<tr>
<td>March 25</td>
<td>Th</td>
<td>Professional Day - Classes do not meet</td>
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<tr>
<td>April 4-10</td>
<td>Su-S</td>
<td>Spring Recess</td>
</tr>
<tr>
<td>April 30</td>
<td>F</td>
<td>Attendance Verification Day - Instructors verify enrollment in classes</td>
</tr>
<tr>
<td>April 30</td>
<td>F</td>
<td>Last day to drop full-term credit classes with a &quot;W&quot; appearing on transcript</td>
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<tr>
<td>May 14</td>
<td>F</td>
<td>Malcolm X’s Birthday - Holiday observance</td>
</tr>
<tr>
<td>May 22</td>
<td>S</td>
<td>Saturday instruction ends</td>
</tr>
<tr>
<td>May 24-28</td>
<td>M-F</td>
<td>Final examination week</td>
</tr>
<tr>
<td>May 28</td>
<td>F</td>
<td>Spring semester ends</td>
</tr>
<tr>
<td>May 31</td>
<td>M</td>
<td>Memorial Day - Holiday observance</td>
</tr>
<tr>
<td>June 4</td>
<td>F</td>
<td>Grade rosters/rollbooks due</td>
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*Note: Calendar dates are subject to change.*
STUDENT AWARDS 2009
GENERAL INFORMATION

INTRODUCTION

Merritt College is a public, comprehensive two-year college. It is one of the four colleges of the Peralta Community College District in Alameda County. Merritt College offers a comprehensive day and evening program of transfer, technical, occupational and basic skills education, and is committed to meeting the educational needs of the diverse student population it serves. Located on a 125-acre site in the hills of East Oakland, Merritt College combines modern, spacious facilities with a spectacular view of the entire Bay Area. An integral part of a large, busy, urban community, the location provides a sense of tranquility and peace. Merritt also offers opportunities for intellectual and cultural growth at the Fruitvale Education Center, 1900 Fruitvale Avenue, Oakland.

ACCREDITATION

Merritt College is fully accredited by the Western Association of Schools and Colleges for all course and program offerings. The California State University and University of California systems and other universities and colleges grant credit for appropriate courses completed (see “Transfer to Four-Year Colleges and Universities”).

THE PERALTA DISTRICT—A SHORT HISTORY

During the years in which the community college concept was evolving, many institutions set the stage for the Peralta Community College District. Longtime East Bay residents will recall The Part Time School, Central Trade (later named The Joseph C. Laney Trade and Technical Institute) and The Merritt School of Business. In July of 1953, the Oakland Board of Education created Oakland Junior College, developing Laney and Merritt as separate and distinct campuses of the new institution. The next year Merritt added an outstanding liberal arts curriculum to the already-established business curriculum. In June 1955, the first students graduated with Associate in Arts degrees.

In November of 1963, the residents of Alameda, Albany, Berkeley, Emeryville, Oakland, and Piedmont voted to establish a separate junior college district. The name chosen to encompass the district’s six cities was Peralta in honor of Sgt. Luis Maria Peralta, who had been granted 44,800 acres of East Bay lands in August of 1820. On July 1, 1964, the Board of Education voted to offer vocational, occupational, and liberal arts courses on each of the existing campuses. The next year, the voters of the new district passed a $47 million bond issue for construction of several new campuses.

In June of 1970, the College of Alameda opened on a 2.5 acre site near the Naval Air Station in the city of Alameda. Laney College, located next to the Oakland Museum and the BART terminal, completed its modern new buildings in September of 1970. The following spring, Merritt College moved from its Grove Street home to the East Oakland hills near Skyline Boulevard off Redwood Road.

In 1974, the Peralta College for Nontraditional Study was established, later becoming Vista Community College and subsequently, Berkeley City College in 2006. The college moved to a new location and facility at that time.

Merritt College operates an outreach site, the Fruitvale Education Center, which serves a predominantly Latino community and is located at 1900 Fruitvale Avenue in Oakland. The Center forms a vital link with other community groups to coordinate and plan services for the community. The Fruitvale Education Center has a special emphasis on English as a Second Language courses. One of the goals for the center is to ease the transition of students to the main campus for first-time or nontraditional students. Students, therefore, are encouraged to take classes at the center and at the main campus.

Merritt College is named for one of the pioneer developers of Oakland, Dr. Samuel Merritt. Dr. Merritt first came to Oakland, then referred to as the “Contra Costa,” in 1850. When he arrived at the foot of Broadway, currently in downtown Oakland, as a picnicker on an open boat, the Kangaroo, he was so impressed with the tranquility of the scene, the natural beauty of the location, and the possibility of development of this “land of the oaks” that he hastened to acquire property here.

Dr. Merritt’s many ventures over the years included establishing a marine insurance company; building ships and trading in the Pacific Northwest, the South Seas and China; selling lumber; acquiring real estate; and becoming a founder and member of the Board of Directors of the
GENERAL INFORMATION

Oakland Bank of Savings. He was so successful in real estate and the lumber business in Oakland that he never practiced medicine while a resident of the city. In 1867, Merritt was appointed mayor of the City of Oakland and in 1868 he was elected to a full term. The following year the Oakland park system was launched by the city under Merritt’s leadership.

Dr. Merritt’s civic and political involvements led him to the first presidency of the Mountain View Cemetery Association and to his active role in a successful pressure campaign to move the seat of county government from San Leandro to Oakland. In 1868, the Oakland Library Association was formed, with Dr. Merritt as its first president.

Although trained in medicine, Dr. Merritt did more than any one of his time to develop and beautify Oakland. He enjoyed remarkable success as an architect and builder, being credited with more than one hundred buildings designed and financed by himself.

Dr. Merritt died in 1890 at his home near the lake named for him. Merritt Hospital, one of the doctor’s early dreams, was endowed with a share of his estate.

MISSION OF THE Peralta COMMUNITY COLLEGE DISTRICT

MISSION

The mission of the Peralta Community College District is to provide accessible, high-quality adult learning opportunities to meet the educational needs of the multicultural East Bay community.

VISION

We are a collaborative community of colleges. Together, we provide educational leadership to empower our students to achieve their highest aspirations and to become community leaders, creating opportunities and transforming lives. Our programs and services enhance the human, economic, and social development of our communities. Together with our partners, we provide our diverse students with equitable access to the educational resources, experiences, and ongoing capacities to meet and exceed their goals.

GOALS

A. Student Access and Success
   Empower and challenge all our students to succeed.

B. Community and Partner Engagement
   Actively engage and partner with the community on an ongoing basis to identify and address critical needs.

C. Programs of Distinction
   Create a cohesive set of unique, high-quality educational programs and services coordinated across the district.

D. Culture of Innovation and Collaboration
   Implement best practice in communication, management, and human resource development.

E. Financial Health
   Ensure that resources are used wisely and leveraged for student and community success

VALUES

Students and Our Communities
Student Success—The Peralta Colleges evaluate all decisions in light of how they will support student and community success.

Diversity—We recognize and celebrate the strengths of our diverse students and communities.

Quality
Excellence—We are committed to the highest level of quality in all programs and services.

Innovation—We support creative approaches that meet the changing demographic, economic and educational needs of our communities.

Financial health—The colleges and service centers are effective managers of public resources.

Communication and Collaboration
Collaboration—The colleges and service centers use a consultative decision-making process based on trust, communication and critical thinking.

Trust—We believe in one another’s integrity, strength and ability.
Employee Development—All employees are supported in developing their capacities to support student and community success whatever their position within the Peralta family.

Communication—We listen carefully to fully understand each other’s perspectives, and clearly state our honest assessments.

Respect—We treat one another with care and respect.

MISSION OF MERRITT COLLEGE

MISSION

The mission of Merritt College is to enhance the quality of life in the communities we serve by helping students to attain knowledge, master skills, develop the appreciation, attitudes and values needed to succeed and participate responsibly in a democratic society.

To accomplish its mission, the College provides open access to excellent instructional programs and comprehensive support services in a culturally-rich, caring and supportive learning environment.

Our purpose is to provide opportunities for lifelong learning, contribute to the economic growth of our communities while assisting students to attain degrees and certificates, earn credits to transfer and develop the skills necessary to complete their educational goals.

CORE VALUES

Student Success: We provide challenging and rigorous learning experiences that support the academic and personal success of our students.

Caring Spirit: We genuinely care about every member of our campus community.

Teamwork and Inclusion: We encourage everyone to participate in college governance and assume responsibility for acting on our shared commitment to provide exceptional learning experiences.

Campus Climate: We strive to create a student-centered learning environment that leads to student retention, persistence and success.

Diversity: We honor and respect the different backgrounds, experiences, languages, values and cultures of everyone at the college.

VISION

Merritt College will:
• Create learning experiences that stimulate intellectual curiosity and empower students to communicate effectively, and think creatively and critically to embrace their potential.
• Prepare students to become the future leaders of our inter-connected global society.
• Engage the community as an active participant and resource to learning through creative partnerships.

COLLEGE RESOURCES AND ACTIVITIES

ACADEMIC ENHANCEMENT CENTER

The Academic Enhancement Center includes the Learning Center (which also houses the Tutorial Program), the Electronic Classroom, and the Math Learning Center, all located on the first floor of the D Building. The Learning Center is open to all students who would like assistance with instructional assignments. Self-paced courses are available for credit in English communication, writing skills, and study skills. Students receive tutorial assistance as they work at their own pace toward mastery of course materials. Refer to the class schedules for more information.

Free tutoring is available for most courses at Merritt College. All students are eligible for one-to-one or group tutoring if enrolled in a Merritt College course. Drop-in tutoring in mathematics and writing across the curriculum is available. Additionally, all Merritt students can use computers in the Learning Center. Students can also enroll in a computer-assisted writing course to learn word processing, improve keyboarding skills or to receive tutorial help on writing projects. The Learning Center is located in Building D, Room 187. Day and evening hours of operation are scheduled. For additional information, call (510) 436-2442.
ALLIED HEALTH PROGRAMS

The Allied Health Department at Merritt College offers degree and certificate programs. The healthcare industry is a growing and rewarding field. As the population of this country ages, there will be more and more need for those trained in the health-care field. Programs at Merritt College currently include:

Registered Nursing: The Registered Nursing program is a course of study including instruction in applied nursing sciences, related natural, social, and behavioral sciences, and clinical nursing experience in healthcare agencies. Upon successful completion, the graduate earns an Associate of Science degree and is eligible to take the national licensing examination. Having passed the licensing examination, the graduate earns the title of Registered Nurse. Employment opportunities are varied and include hospitals, clinics, doctor’s offices, home health agencies, industrial settings, schools, research facilities and teaching institutions.

Licensed Vocational Nursing: The Licensed Vocational Nurse works under the direction of a registered nurse or physician to give direct care to patients. The LVN participates in the planning, implementation and evaluation of nursing care in a variety of healthcare settings. Job opportunities exist in hospitals, convalescent hospitals, private homes, doctor’s offices, clinics, community agencies and some industries.

Radiologic Science: Radiologic Technicians take x-rays and perform other diagnostic tests for patients. With successful completion of the program, the graduate earns an Associate of Science degree and is qualified to take national and state licensing examinations. Employment opportunities exist in hospitals, clinics and other sites.

Nutrition and Dietetics (Dietetic Technician, Dietary Manager, and Dietary Assistant): The Nutrition and Dietetics program offers certificates for the Dietary Manager and the Dietary Assistant. These jobs are found in food production and nutritional service and care. An Associate of Science degree is awarded for graduates of the Dietetic Technology program. The Dietetic Technician works in various settings to provide both preventive nutrition care and medical nutrition therapy under the direction of a Registered Dietitian. Employment opportunities exist in hospitals, sub-acute care facilities, clinics and other sites.

Other courses: Emergency Medical Technician and Medical Assisting courses are also offered through Merritt College.

ANTHROPOLOGY MUSEUM

With the support of a grant from the San Francisco Foundation, Merritt College formed a small anthropology museum in 1973. The museum offers periodic ethnographic displays, offers course work in museology, and has a satellite program offering exhibits at off-campus locations for the general public. The Merritt Museum is located in the Library, Building L, and maintains museum exhibits throughout the Merritt campus and District Office.

ATHLETICS

Merritt participates in intercollegiate competition through membership in the Bay Valley Conference, an eleven-team league in the Bay Area. The college has teams in basketball, track and field, and cross country for both men and women. Students participating in intercollegiate athletics must meet the eligibility requirements of the CCLC Commission on Athletics Code. For specific information regarding eligibility, prospective athletes are urged to consult the Athletic Director or the coach of the sport in which they wish to participate before or immediately upon enrollment.

COLLEGE/COMMUNITY RELATIONS

All instruction is adapted to the needs of the community. Through a planned program of placement, coordination, and conferences with business and community leaders, surveys of local needs and cooperation with business, industrial, and community service organizations, the instructional program is kept current, and the latest information on occupational requirements is made available to students. Courses of study are developed in close coordination with a number of business associations and community agencies. Advisory committees, with
representation from management and labor, advise the college on the organization and operation of its various occupational programs.

COMMUNITY SERVICES

The college serves the community through a varied program of community events, such as lecture series, counseling and testing, new careers training programs, neighborhood outreach centers, and the rental of its facilities to qualified community groups and associations.

CRIME PREVENTION AND PERSONAL SAFETY TIPS

Crime prevention is the responsibility of all staff and students. Members of the campus community should be aware of their surroundings and of circumstances which seem out of the ordinary and be willing to report suspicious individuals or activities to the campus police so that the campus can be maintained as a safe and secure place to work and to study. An awareness of the following crime prevention pointers will help reduce the opportunity for others to commit crimes against students and staff:

• Lock your car, office or residence whenever leaving it.
• Keep your car or building key ready in your hand.
• Avoid unnecessary hazards of poorly lighted or unfamiliar areas.
• Know the locations of telephones and "Blue Phones" on campus.
• When working after hours, notify Police Services of your location. Lock all doors leading to the area you are in.

Questions and concerns regarding campus safety and security may be directed to Police Services at (510) 465-3514.

EMERGENCY BLUE PHONES

Emergency outdoor blue phones have been installed in various locations on the Alameda, Laney, and Merritt College campuses for student and staff protection and use. The presence of these phones on campus cannot guarantee everyone’s safety, but they can play an important role in personal security and the security of the campus in general and all individuals on campus should familiarize themselves with the location of these phones.

In case of an emergency, press the RED emergency button. This will connect the caller directly with Peralta Police Services Dispatch. The RED button may be activated in situations where the caller or someone else is being physically threatened, followed or feeling uncomfortable or anxious; or an accident has occurred and assistance is needed; or in any other situation which may require an emergency response from the police.

Vandalism or unwarranted activation of an emergency blue phone jeopardizes the safety of others. For this reason, these actions may be taken very seriously by Peralta Police. Misuse of the telephones may subject the individual to disciplinary or legal action.

EQUIPMENT

The college has well-equipped laboratories and classrooms in accordance with educational and occupational standards.

EVENING AND SATURDAY CLASSES

Afternoon, evening, and Saturday classes at Merritt cover a wide range of academic and vocational programs that are designed to furnish students with an opportunity to continue their education on a part-time basis. The same standards apply to all classes offered during the college day and evening hours. In some paraprofessional curricula and liberal arts fields, an Associate degree may be earned through attendance in college evening classes.

FACULTY

The Merritt faculty has been selected for demonstrated ability, mastery of subject fields, and advanced professional training. In addition, instructors in occupational areas have had many years of successful experience in their respective fields. Special efforts have been made to recruit faculty who are representative of the ethnic composition of the student body and overall community. The college evening staff includes many instructors who teach during
the day, supplemented by highly qualified professionals from specialized fields who are regularly employed elsewhere during the day.

**FEE-BASED CLASSES**

Merritt College has a number of courses offered for varying fees. No college credit is granted for completion of these courses. Fee courses currently being offered through Merritt are listed at the end of the regular-numbered course listings, by discipline, in the Schedule of Classes published each semester. The course numbers for fee-based classes are in the 800 and 900 number series.

**LEARNING RESOURCES CENTER**

The Learning Resources Center houses the Library, Computer/Telecommunications Technologies Office, and Anthropology Museum.

**LIBRARY**

The Merritt College Library savor one of the most picturesque settings on the campus. Facing out on to a wooded rolling hillside, students can study in an atmosphere conducive to the enjoyment of learning. The print collection is tailored to support the curriculum, and the reference services include computerized work stations as well as online access to a selection of public and academic Bay Area libraries. Installation of an automated library system has been completed and the book and journal holdings of all four Peralta libraries are identifiable at terminals designed to replace the card catalog. Professional librarians are available for orientation and instruction in library-use techniques, either to individual students or to classes upon request. In addition, a formal library-use class, Introduction to Information Resources, is offered.

**POLICE SERVICES**

The Peralta Community College District contracts for police services with the Alameda County Sheriff’s Office. Peralta Police Services is responsible for protecting the life and property of students, employees and visitors and its mission is to preserve the peace, maintain order, and enforce state, federal and local laws, as well as to provide a safe environment so that the educational process can be conducted in an orderly and uninterrupted manner. Deputies focus on "partnerships" in addressing the problems and/or concerns identified by campus staff and students.

Deputies assigned to the Peralta Community College District Police Services Department have peace officer authority, pursuant to section 830.1 of the California Penal Code. Each deputy has met all state standards and training requirements and has the same authority as municipal police officers. Sheriff Technicians also are employed by Police Services, but do not have peace officer authority. Peralta Police Services works in partnership with and will request assistance from the Oakland Police Department, the Alameda Police Department or the Berkeley Police Department for incidents which require resources not readily available at Peralta Colleges.

The goal of the Police Services Department is to provide the safest possible environment for all the campuses, so everyone can enjoy all of their facilities. Although safety is the department’s major concern, it also monitors fire and intrusion alarms as well as enforces parking regulations on the campuses. Calls for service are prioritized and response time will vary with the location, nature and urgency of the situation.

Police Services on the Merritt campus is located in Building R, Room 117, and is available 7 days a week, 24 hours per day. The emergency phone line is (510) 465-3456, or on campus at ext. 7236. The non-emergency phone line is (510) 465-3514, or on campus at 436-2668.

**PRE-COLLEGIATE ACADEMY**

Merritt College sponsors a summer Pre-Collegiate Academy for junior high and high school students who are recommended by their counselors. These students are selected on the basis of having shown interest and potential in math and science and who have demonstrated an ability to benefit from such instruction.
SUMMER SESSION AND INTERSESSIONS

To augment the regular educational program for students, Merritt College participates in a summer session program, usually commencing the third week of June. Additionally, classes may be held during the three-week intersession between the end of the spring term and the beginning of the regular summer session, or at the end of the regular summer session and the beginning of the fall term. Schedules of course offerings are generally available approximately one month prior to the beginning of classes. Contact the District’s Admissions and Records Office in April for registration information at (510) 466-7368 or the Admissions and Records Office on campus at (510) 436-2487 or 436-2488.
STUDENT AWARDS 2009
ADMISSIONS AND COLLEGE REGULATIONS

ADMISSIONS REQUIREMENTS

ELIGIBILITY FOR ADMISSION

All persons 18 years of age or older who can profit from instruction are eligible for admission, either as a California resident or nonresident. Anyone under 18 years of age who is a high school graduate or has been awarded a GED or California High School Proficiency Certificate may also enroll.

HIGH SCHOOL STUDENTS

In accordance with California Education Code regulations, high school and pre-high school students may enroll as special part-time students. Enrollment must be recommended by their principal, with parental consent and approval by the Associate Vice Chancellor of Admissions and Student Services. Units earned will be granted as college credit. It is the high school’s prerogative to grant high school credit for courses taken from the Peralta Colleges. Resident and nonresident students enrolled under this program are exempt from paying the California Community College Enrollment Fee and Campus Center Use Fee.

RESIDENCE REQUIREMENTS

A person must have lived continuously in California for at least one year immediately preceding the residence determination date to be considered a resident for tuition purposes. Evidence must also be provided to indicate that the person has intent to make California his/her permanent home. The residence of an unmarried minor is that of the parents or legal guardian. The residence determination date is the day before a term begins for which the person is applying for admission.

It is the student’s responsibility to clearly demonstrate both physical presence in California and intent to establish California residence.

NONRESIDENT STUDENTS

Students who are not legal residents of California for one year and one day prior to the first day of the term will be charged Nonresident Tuition in addition to the California Community College Enrollment Fee and Campus Center Use Fee. Non-residents who are both citizens and residents of a foreign country also pay a Capital Outlay Fee. Information regarding tuition and refunds is found in the “Fees” section of the Catalog.

High school/pre-high school students admitted on a part-time basis on the recommendation of their principal are exempt from paying Nonresident Tuition.

NONRESIDENT FEE EXEMPTION

Nonresident students who meet the following criteria are exempt from nonresident and capital outlay fees:

1. The student must have attended a California high school for three years or more.
2. The student must have graduated from a California high school or attained the equivalent (e.g., GED or proficiency exam).
3. The student must file an affidavit with the college that indicates the student has applied for legalization or will apply as soon as he or she is eligible, if and only if, the student is without lawful immigration status.

MILITARY RESIDENCE EXEMPTION

Nonresident U.S. military personnel on active duty in California (except those assigned for educational purposes to state-supported institutions for higher education) and their dependents are granted a waiver of Nonresident Tuition until they are discharged from military service. Their dependents are granted a waiver for a period of one year from the date they enter California. Upon expiration of the waivers, evidence must be provided as to the date the student surrendered his/her out-of-state residence to become a resident of California. The student will be classified as a nonresident and charged Nonresident Tuition until one year has elapsed since the out-of-state residence was surrendered.
MATRICULATION PROCEDURES

MATRICULATION (STUDENT SUCCESS PROGRAM)

Matriculation is a state-mandated program/process which brings the College’s staff and resources into a PARTNERSHIP with students to ensure their educational success.

Merritt College agrees to provide an organized process of: admission, orientation, assessment, counseling and/or advising, and the monitoring of students’ progress through follow-up activities.

The students agree to declare a specific educational objective within a reasonable length of time, complete a Student Educational Plan, attend classes regularly, complete assigned course work, and maintain satisfactory progress toward the achievement of their educational goal.

All students, except those exempted on the basis of locally-established criteria (see Exemption from Matriculation) are expected to complete the State’s matriculation requirements. The five components of matriculation that students will participate in are:

1. Admission: Completing an admission application which will provide the college with information about the student’s educational plans and career goals.

2. Assessment: Participating in an assessment session which measures student’s current skill levels in reading, writing, and mathematics. The scores are used for advising students in selecting the appropriate level of courses.

3. Orientation: Attending an “Orientation to College” session. Students are provided important information on how to succeed in college by acquainting them with the college’s facilities, rules, policies and procedures; its supportive services and special programs, and course expectations and other academic procedures.

4. Counseling and Advisement: Meeting with a counselor to identify and develop the student’s individual educational goal and select appropriate level courses.

5. Follow-Up: Participating in other follow-up support services. Special efforts will be made to assist:
   a. “undecided” students identify an educational or career goal;
   b. students who are enrolled in precollegiate basic skills courses; and
   c. students who have been placed on progress and/or academic probation.

Students with physical, visual, communication, or learning disabilities who require special assistance to participate in the assessment or other parts of the Orientation/Assessment/Advising process should contact either the Disabled Students Programs and Services Office located in Building R, Room 109, at (510) 436-2429; or the Assessment Center located in Building R, Room 109, at (510) 436-2562.

Important Notes: There is no charge for assessment, orientation, or counseling sessions. No children can attend. All students are welcome to participate in any aspect of this program. Appointments are required.

Student Success Program activities are conducted periodically throughout the school year.

EXEMPTION FROM MATRICULATION

Students may be exempt from the matriculation process under the following conditions:

1. Student has earned an Associate or higher degree from an accredited institution;
   or
2. Student is enrolled in fewer than 12 units and has declared one of the following educational objectives:
   • Discover/formulate career interests, plans, goals;
   or
• Prepare for a new career (acquire job skills);
  or
• Advance in current job/career (update job skills);
  or
• Maintain certificate or license (e.g. Nursing, Real Estate);
  or
• Educational enrichment (intellectual, cultural);
  or
• Complete credits for high school diploma.

Note: All students may participate in any of the matriculation components, even though they qualify for exemption.

EXEMPTION FROM ASSESSMENT COMPONENT ONLY

Students meeting at least one of the following conditions shall be exempt from the assessment requirement:

1. Student has successfully completed (grade “C” or higher) college-level English and mathematics courses (transcript or grade report required);
   or
2. Student has, within the last three (3) years, taken an assessment test that can be used by Peralta staff to determine suitable placement in English and mathematics.

Note: Students claiming an exemption must file a waiver form.

“MATRICULACIÓN” (PROGRAMA DE ÉXITO ESTUDIANTIL)

La matriculación es un programa y una serie de procedimientos impuestos por el Estado mediante los cuales el personal y los recursos del College, en CONJUNTO SOCIAL con los estudiantes, aseguran el éxito de éstos en sus estudios.

Merritt College se compromete a organizar el proceso de: ingreso, orientación, evaluación y/o consejería, al estudiante, además de darle un chequeo contínuo al progreso logrado por el estudiante.

Por su parte, los estudiantes se comprometen a establecer una meta educacional específica dentro de un plazo razonable de tiempo; completar un Plan Educativo del Estudiante; asistir a las clases con regularidad; completar las tareas asignadas; y avanzar satisfactoriamente hacia los objetivos educacionales que se han propuesto.

Todos los estudiantes, excepto aquellos eximidos en función de criterios establecidos localmente (ver en la lista de cursos las condiciones de exención), deben cumplir con los requisitos de matriculación impuestos por el Estado.

La matriculación en la que participarán los estudiantes incluirá los siguientes cinco elementos:

1. Ingreso: Llenar una solicitud de ingreso con información sobre los planes educacionales del estudiante y sus metas profesionales.

2. Orientación: Asistir a una sesión de orientación del College. A los estudiantes se les dará información importante sobre cómo lograr que sus estudios sean exitosos. Se les informará de las instalaciones del centro educativo, sus reglas, normas y procedimientos; los servicios de apoyo y los programas especiales con que cuenta; sus programas educativos, lo que se espera de los estudiantes en las asignaturas, y otros procedimientos académicos.

3. Evaluación: Participar en una sesión de evaluación donde se medirá el nivel actual de destreza del estudiante en lectura, escritura y matemática. Los resultados obtenidos servirán para ayudar a los estudiantes a seleccionar los cursos más apropiados.

4. Consejería: Reunión con un consejero para identificar y desarrollar las metas particulares del estudiante y seleccionar los cursos adecuados a esas metas.

5. Seguimiento: Participar en otros servicios de apoyo al estudiante. Se realizarán esfuerzos especiales para ayudar:
   a. a los estudiantes "indecisos" a identificar una meta educacional o profesional;
   b. a los estudiantes inscritos en cursos preuniversi-
ADMISSIONS AND COLLEGE REGULATIONS

Los estudiantes con incapacidad física, visual, de comunicación o aprendizaje que requieran ayuda especial para participar en la evaluación o otras partes del proceso de orientación/evaluación/consejería, deberán comunicarse por adelantado, o con del Centro de Recursos para Estudiantes Incapacitados, en Edificio R, Sala 109, o llame al (510) 436-2429 o (510) 434-3881 (V/TDD), o el Centro de Evaluación al (510) 436-2562.

Nota Importante: No se cobra por las sesiones de evaluación, orientación o consejería. No se permite la presencia de niños. A todos los estudiantes se les invita a participar en cualquiera de los aspectos de este programa, pero se requiere cita previa.

Durante todo el año escolar el Programa de Éxito Estudiantil celebrará actividades periódicas. Para averiguar cuales procedimientos y actividades están programados, en qué fecha y a qué horas, vea el Plan de Clases semestral, o llame al (510) 436-2475 o 436-2562.

ADMISSION PROCEDURES

Applicants must apply online through the Passport Student Administration System at www.peralta.edu. After clicking on the Enroll Now and then the Apply for Admission links, applicants follow the CCCApply instructions to complete and submit an online application. Once an application is completed, a message is sent to the student's personal email or an email assigned by CCCApply giving instructions on how to log onto the Student Center where enrollment in classes occurs. Unless exempted from Matriculation procedures, students must also complete assessment, orientation, and counseling requirements. Detailed instructions may be found online as well as in printed Schedules of Classes.

A separate application must be filed for entrance into the Nursing, Radiologic Science, and Vocational Nursing programs. See detailed eligibility and admission requirements for these programs in the Curriculum Patterns and Courses section of the catalog.

ADMISSION FOR INTERNATIONAL STUDENTS

Special regulations govern the admission of foreign students. International students should contact the Office of International Affairs for application and admissions information at (510) 466-7380 or by fax at (510) 465-3257. The International Student Application Form along with a $50 application fee is required, and upon acceptance, application is then made through the online CCCApply process. The International Affairs Office is located next to the Peralta Community College District main office at 333 East Eighth Street, Oakland, CA 94606.

ADMISSION FOR VETERANS

The Merritt College Veterans' Services Office, located in Building R, Room 113G, was established to help process VA Educational Benefit paperwork and to coordinate with other campus services.

New students should contact the office at least two months prior to the term they plan to attend to initiate required paperwork. Continuing students should check in at the Veterans Affairs' Office at least one month prior to the next term of attendance to complete any paperwork that might be required for continuous VA payment. In addition, all recipients must confirm their classes with the Veterans' Affairs Office after completion of registration, and once again the week before exams begin. All material submitted to the Veterans Administration takes approximately two months for processing through the Regional Office in Muskogee, Oklahoma.

This institution will conduct an evaluation of previous education and training, grant appropriate credit, shorten the veteran’s or eligible person’s duration of course study proportionately, and notify the VA and student, accordingly.

After completing 12 units at Merritt, a veteran may apply for evaluation of military service experience for college credit. A copy of the veteran’s DD214 separation paper should be submitted at the Admissions and Records Office. Credit granted for military service is based on A Guide to the Evaluation of Educational Experiences in the...
ARMED SERVICES, published by the American Council on Education.

For additional information, please refer to the Veterans’ Student Handbook, or call (510) 436-2574.

ASSESSMENT AND TESTING

The assessment process is a combination of counseling, evaluating prior school transcripts, testing, and identification of career and educational goals—all designed to facilitate student success. Assessment testing is required for all students planning to enroll in certain courses (e.g., English, math, ESL, etc.) Students who have achieved satisfactory ACT (American College Test) or SAT (Scholastic Aptitude Test) scores or who have tested at another community college, should see a counselor for a recommendation for class placement. Students who have earned an AA degree (or higher) should also consult with a counselor.

New students are encouraged to take the assessment test before enrolling in classes. New and continuing students should refer to the current Schedule of Classes for test dates or contact the Counseling Office located in Building R, Room 109 or phone (510) 436-2475. Students with special testing needs must sign up in advance for testing in the Disabled Students Programs and Services Office in Building R, Room 109; call (510) 436-2429 for information.

ORIENTATION AND ADVISING

All first-time and other interested students are strongly encouraged to participate in an orientation and advising session, Learning Resources 200, for which one-half unit of credit is earned. College programs, services, and facilities will be explained and interested students will be directed to student activities and to leadership opportunities. Counseling staff will assist students with course selections.

ENROLLMENT

Following admission and the assessment/orientation and advising sessions, enrollment materials and an approved permit to enroll are required by the Admissions and Records Office to complete the enrollment process.

CHANGE OF CLASSES

The last day to add term-length classes is published in the calendar of the current Schedule of Classes. After the specified date, only short-term or open-enrollment classes may be added.

TRANSCRIPTS

It is the applicant’s responsibility to have official high school records and official transcripts of all work attempted, completed, or in progress at ALL other accredited colleges forwarded directly to the Merritt College’s Admissions and Records Office.

FOLLOW-UP COUNSELING

All new students are encouraged to meet with their counselors at least once during their first semester. This session helps students with goal setting, selection of a major, career exploration, and the completion of an educational plan. Students are encouraged to make an appointment early in the semester.

FEES

CALIFORNIA COMMUNITY COLLEGE ENROLLMENT FEE

All students are required to pay a California Community College Enrollment Fee. The fee is $20 per semester unit (subject to change) and is collected at the time of enrollment into classes.

High school and pre-high school students admitted on a part-time basis upon recommendation of their principal are exempt from paying the Enrollment Fee.

ENROLLMENT FEE ASSISTANCE

The Board of Governors Enrollment Fee Waiver (BOGW) is available to assist students who are unable to pay the Enrollment Fee. Eligibility requirements for these
programs have been established by the California Community Colleges Board of Governors. Information on this program is available at the Financial Aid Office.

The Enrollment Fee is waived for high school and pre-high school students enrolled part-time with their principal’s permission and for students enrolled in any Apprenticeship program.

NONRESIDENT TUITION

Students who are not legal residents of California for one year and one day prior to the first day of the term will be charged Nonresident Tuition at the rate of $190 (subject to change) per semester unit unless they qualify for the nonresident status known as "AB 540." Nonresident students must pay Nonresident Tuition in addition to the California Community College Enrollment Fee and Campus Center Use Fee.

High school/pre-high school students admitted on a part-time basis on the recommendation of their principal are exempt from paying Nonresident Tuition.

NONRESIDENT CAPITAL OUTLAY FEE

Nonresident students who are both citizens and residents of a foreign country will be charged a Nonresident Capital Outlay Fee in addition to the Nonresident Tuition, California Community College Enrollment Fee, and the Campus Center Use Fee. The Nonresident Capital Outlay fee is $6 per semester unit (subject to change) with a maximum of $144 per year.

CAMPUS CENTER USE FEE

In addition to the California Community College Enrollment Fee, Nonresident Tuition and Nonresident Capital Outlay Fee, there will be a Campus Center Use Fee of $2 per semester (excluding off-campus locations), to be collected at the time of enrollment. High school/pre-high school students admitted on a part-time basis on the recommendation of their principal are exempt from paying the Campus Center Use Fee.

AC TRANSIT EASYPASS FEE

All students enrolled in nine (9) or more units are required to pay an AC Transit EasyPass fee of $31 per semester, collected at the time of enrollment. The fee entitles eligible students to receive an AC Transit EasyPass bus pass.

STUDENT REPRESENTATION FEE

All students are required to pay a Student Representation fee of $1.00 per semester, collected at the time of enrollment.

PARKING FEES

There is a parking fee of $1.00 per day for students or visitors who park a vehicle on campus. A parking permit may be purchased for $40 per semester or $20 for summer session (motorcycle permits are $20 per semester or $10 for summer session) from the Cashier’s Office in Building Q, Room 215.

RETURNED-CHECK FEE

There will be a $25.00 charge on checks returned to the college.

OTHER EXPENSES

Students should have adequate funds at the beginning of the semester to pay for books and enrollment fees.

Students may be charged for overdue or lost library books, pamphlets, and periodicals. Certain courses and programs require the purchase of supplies and/or equipment, provided such materials are of continuing value to the student outside the classroom setting and provided they are not solely or exclusively available from the district. Field courses and field trips may require personal transportation.

For further information about fees and the financial aid/scholarships available, stop by the Admissions and Records Office in Building R, Room 112, or the Financial Aid Office in Building R, Room 113.
TRANSCRIPT FEE

Transcripts may be requested by e-mail, fax, or in person at the Peralta District Office or any of the four college admissions offices. Official transcripts are mailed directly to other educational institutions upon written request by the student. There is a charge of $4 for each copy of an official transcript which is processed in 7-10 business days. Transcripts made for student use are classified “unofficial” and there is no charge. Students must clear all financial obligations due the College before transcripts are mailed. Applications for a transcript should be made well in advance of the time when the record will be needed. Rush requests cost $10 each and will be mailed in 3-5 business days, or may be picked up at the central District Admissions Office at 333 E. 8th Street the following day after 12:30 p.m. Unofficial transcripts are also available through the Passport Student Administration system. Transcripts include all coursework completed at Berkeley City College, College of Alameda, and Laney and Merritt Colleges. For additional information, call (510) 466-7368.

ENROLLMENT FEE REFUND POLICY

Class Cancellations

The State-mandated Enrollment Fees will be fully refunded if an action of the college (e.g., class cancellation) prevents a student from attending class. A student may, upon request, obtain a refund up to the end of the following term in which the refund was due. After that time the student will not be eligible for the refund.

Full-Term Classes

A student who cancels his/her registration prior to the first day of instruction, or who officially withdraws from all classes during the first two weeks of instruction, shall be entitled to a full refund, less a $10 processing fee (charged whether or not the class was attended).

A student who officially completes a change of program during the first two weeks of instruction, and as a result reduces the number of units in which he/she is enrolled, is entitled to a refund if the change places that student in a different enrollment fee category. Such a student shall not be subject to the processing fee.

If a student pays an enrollment fee of less than $10, and cancels his/her registration or withdraws from all classes before the deadline, the processing fee shall equal the Enrollment Fee.

No refund of the Enrollment Fee will be made to any student who withdraws from classes after the first two weeks of instruction.

Members of an active or reserve military unit who receive orders compelling a withdrawal from courses, may, upon petition, receive a full refund of the enrollment fee unless academic credit is awarded.

Short-Term and Open-Entry/Open-Exit Classes

A student enrolled in a short-term or open-entry/open-exit class will receive a 100 percent refund if he/she officially withdraws on or before the first class meeting. A student enrolled in a short-term or open-entry/open-exit class will not receive a refund if he/she officially withdraws after the first class meeting.

Variable-Unit Classes

No refund shall be made for variable units not earned by the student.

NONRESIDENT TUITION AND CAPITAL OUTLAY FEE REFUND POLICY

A full refund of Nonresident Tuition and Capital Outlay Fee will be made for any class which is canceled by the college. Also, a 100 percent refund (minus a $20 processing fee) will be made for any class from which the student withdraws through the first two days of instruction in the semester (first day of instruction according to the academic calendar).

A 90 percent refund of the units dropped will be made upon the student’s official withdrawal from the class after the first two days of instruction and through the last day to add classes.

A 50 percent refund of the units dropped will be made upon the student’s official withdrawal from the class after
the last day to add classes and prior to Census Day in any term, as indicated in the college calendar.

No refund will be made to any student on or after Census Day of the term.

NONPAYMENT OF FEES AND OTHER OBLIGATIONS

The college, under appropriate rules and regulations, will withhold grades, transcripts, diplomas and registration privileges, or any combination thereof, from any student or former student who fails to pay the enrollment fee or nonresident tuition. Grades, transcripts and diplomas will be withheld from students or former students who fail to pay loans, other fees, or obligations which have been properly charged to him/her.

FINANCIAL AID

FINANCIAL ASSISTANCE

Merritt College provides financial assistance to those students whose family’s support and personal resources are insufficient to meet educational expenses. The amount of financial assistance is based on demonstrated financial need.

The financial aid programs include scholarships, grants, and part-time employment. Through one or any combination of these resources, the college makes every effort to assist needy and qualified students. The amount of financial aid granted to a student is determined by the availability of funds, the extent of the student’s need, and his/her academic performance or promise.

ABILITY TO BENEFIT

In order to qualify for financial aid, any person who has not earned a high school diploma, or has not received a satisfactory General Education Diploma (GED) test score, or has not passed a high school proficiency test, needs to demonstrate evidence of the ability to benefit from college instruction by passing an exam designed for that purpose.

To meet the ability-to-benefit requirement, Merritt College administers the Wonderlic test. A schedule of test dates and times is posted in the Financial Aid and Counseling Offices. Students needing the Wonderlic test must sign up at the Financial Aid Office.

The following descriptions of Merritt’s financial aid programs are only a brief summary. Further information, applications, and specific deadline information are available from the Financial Aid Office in Building R, Room 113.

SCHOLARSHIPS

Scholarships based on merit or financial need, or a combination of both, are offered to students by community organizations, parents’ employers, labor unions, churches, service organizations, and national foundations. These scholarships will be announced as they are made available to the college.

GRANTS

Grants are funds that do not have to be repaid. The amount a student receives is based on need and is determined by an authorized need-analysis system.

Federal Pell Grants: The federally-sponsored Pell Grant program is designed to guarantee the low and middle-income students who are eligible for aid, financial access to the college of their choice. Pell Grants are intended to be the base upon which all other aid is built. The Pell Grant award amount ranges from $400 to $4,176 maximum for full-time students for the 2007-2008 academic year.

Federal Supplemental Educational Opportunity Grant (FSEOG): The federal FSEOG program is designed to supplement other sources of financial aid for students with financial need. SEOG grants range from $200 to $4,000 a year. Students enrolled at least half-time at a participating school or college may be eligible to receive a FSEOG grant.

Extended Opportunity Programs and Services (EOPS): Merritt’s EOPS program is a state-funded program
which provides EOPS grants and educational services to students. It is available to students who are from families of low and modest incomes, and because of cultural, economic and educational factors would not ordinarily attend college.

**California Grants:** The State of California, through the Student Aid Commission, sponsors Cal Grants A, B and C. To qualify for a Cal Grant, a student must be a California resident attending an eligible school or college in California. Awards are based on financial need and academic achievement. Applications for these grants are usually available during the month of January for the next academic year.

- **Cal Grant A** is for students attending a four-year institution. This grant may be held for you while attending Merritt College.
- **Cal Grant B** is for community college students who have completed less than one semester full-time, or 16 units of part-time college courses.
- **Cal Grant C** is for full-time students in a vocational program who demonstrate financial need.

**Board of Governors Grant (BOGG):** The California Community Colleges through the Chancellor’s Office sponsors the Board of Governors Grant. This grant will pay all enrollment fees, but not the $2.00 Campus Center Use Fee. To be eligible for a BOGG, a student must be a California resident and meet one of the following criteria:

a. Be a recipient of public assistance; or  
b. Meet designated income standards; or  
c. Be eligible for federal and/or state need-based financial aid.

**Bureau of Indian Affairs Grant:** The Bureau of Indian Affairs (BIA) provides grants to help eligible Native American students meet their college costs. The amounts of the grants vary according to the financial need of the student and the funds available from the student’s area BIA agency.

**EMPLOYMENT**

**Federal Work Study (FWS):** The Federal Work-Study Program, which is subsidized by the federal government, helps needy students earn their way through college and often gain valuable work experience. Employment may be on campus or with non-profit organizations off campus. A student may work a maximum of 20 hours per week during school. Students are paid the minimum wage or higher.

**REQUIREMENTS FOR FINANCIAL AID**

To be eligible to receive financial aid, a student must be enrolled in an eligible program working towards a degree, certificate, or transfer courses, and meet one of the following requirements:

a. Be a U.S. citizen or eligible noncitizen; or  
b. Be a U.S. permanent resident who has a I-130 or I-131 (Alien Registration Receipt Card); or  
c. Be a permanent resident of the Trust Territory of the Pacific Islands; or  
d. Be a permanent resident of the Commonwealth of the Northern Mariana Islands.

If none of the above apply, the student must have one of the following documents from the U.S. Immigration and Naturalization Service: I-94 with one of the following endorsements:

e. “Adjustment Applicant,” or  
f. “Refugee,” or  
g. “Conditional Entrant,” or  
h. “Indefinite Parole,” or  
i. “Official statement that student has been granted asylum in the U.S.”

Students in the U.S. on an F1 or F2 Student Visa or J1 or J2 Exchange Visitors Visas, L1 or G series Visas (pertaining to international organizations) cannot receive financial aid unless they have an I-94 with one of the endorsements listed above.
ELIGIBILITY POLICIES

1. Financial Aid awards are contingent upon eligibility and availability of funds. For this reason, it is possible to be eligible for some financial aid programs and not receive aid.

2. Students and their families are expected to make a maximum effort to assist with college expenses. Financial Aid is only assistance, not subsistence. For this reason, students on financial aid are expected to provide a reasonable part of the total amount required to meet college costs.

3. The college shall take into account the financial support which should be expected from income, assets, earnings and other resources available. All factors affecting a family’s financial strength will be considered for dependent students and self-supporting students.

4. Merritt students may take courses at other Peralta Colleges that are not available at Merritt. However, Merritt would be the parent institution for the academic year, and the student must take a minimum of one unit at Merritt each term.

5. The amount of the disbursement will be determined by the total number of units a student is currently taking in all the Peralta Colleges.

SATISFACTORY ACADEMIC PROGRESS POLICY

In accordance with federal, state and college regulations, a student receiving financial assistance must be making measurable progress towards completion of his/her course of study in order to continue receiving financial assistance.

When a student has completed 90 semester units at any of the Peralta Colleges, he/she must petition to be considered for additional aid.

For further information regarding this policy, check with the Financial Aid Office in Building R, Room 113, or call (510) 436-2465.

ACADEMIC & GRADING POLICIES

GRADING POLICY

<table>
<thead>
<tr>
<th>Grade</th>
<th>Pts</th>
<th>Definition/Repeat Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>Excellent. Repeat not permitted.</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>Good. Repeat not permitted.</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>Satisfactory. Repeat not permitted.</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>Passing, but grade less than satisfactory. Repeat permitted. If repeated and upon petition, “D” will remain, but will not be computed.</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>Failing. Repeat permitted. If repeated and upon petition, “F” will remain, but will not be computed.</td>
</tr>
<tr>
<td>FW</td>
<td>0</td>
<td>Failing-Withdrawal. Repeat permitted. If repeated and upon petition, “F” will remain, but will not be computed.</td>
</tr>
<tr>
<td>P</td>
<td>0</td>
<td>Pass, grade at least satisfactory. Repeat not permitted. Units awarded are not counted in GPA; only assigned for courses with “P/NP” option.</td>
</tr>
<tr>
<td>NP</td>
<td>0</td>
<td>No Pass, student did not fulfill the requirements. Repeat permitted. If repeated, original ”NP” will remain, but will not be computed.</td>
</tr>
<tr>
<td>W</td>
<td>0</td>
<td>Withdrawal. Repeat permitted. “W” is assigned to students who officially withdraw from a class between the 5th and 14th weeks of the semester. If repeated, original ”W” will remain, but will not be computed.</td>
</tr>
<tr>
<td>MW</td>
<td>0</td>
<td>Military Withdrawal. Repeat permitted. “MW” shall be assigned for students who are members of an active or reserve military unit and who receive orders compelling a withdrawal from courses. Upon verification of orders, the “MW” symbol may be given in lieu of a grade at any time. The “MW” shall not be counted in determining progress probation or in calculating grade points for dismissal. If repeated, the original ”MW” will remain, but will not be computed.</td>
</tr>
</tbody>
</table>
| I     | 0   | Incomplete. Repeat not permitted. Incomplete academic work for unfore-
GRADE-POINT AVERAGE

The cumulative grade-point average (GPA) is computed by dividing the total number of units a student has attempted into the total number of grade points the student has earned.

The grade-point average is determined by the following formula: Total grade points earned, divided by total semester units attempted = GPA.

Example:
A student who earns 5 units of “A,” 4 units of “B,” 3 units of “C,” 2 units of “D,” and 2 units of “P” would compute the GPA as follows:

<table>
<thead>
<tr>
<th>Attempted</th>
<th>Completed</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 units</td>
<td>5 units</td>
<td>A x 5 = 20</td>
</tr>
<tr>
<td>4 units</td>
<td>4 units</td>
<td>B x 4 = 12</td>
</tr>
<tr>
<td>3 units</td>
<td>3 units</td>
<td>C x 3 = 6</td>
</tr>
<tr>
<td>2 units</td>
<td>2 units</td>
<td>D x 2 = 2</td>
</tr>
<tr>
<td>0 units*</td>
<td>2 units</td>
<td>P x 2 = 0</td>
</tr>
<tr>
<td>14 units</td>
<td>16 units</td>
<td>40 earned</td>
</tr>
</tbody>
</table>

40 grade points earned, divided by 14 units attempted equals a 2.85 GPA.

*Units for which a grade of “W,” “MW,” “P,” “NP,” or “I” was assigned are not counted in units attempted.

Conversion of quarter units to semester units used by all colleges and universities who are on the semester system is as follows:

Divide quarter units by 1.5 to determine the equivalent unit value in terms of semester units. For example, three quarter units of work equals two semester units. The student may consult a counselor if in doubt about the conversion of units accumulated under the quarter system.

GRADE CHANGE

Evaluation through grading is the sole responsibility of each instructor. The instructor’s grades are FINAL. Once submitted, grades are not subject to change except by the instructor.

A grade can be changed only where evidence is presented that a clerical error was involved. No grade will be changed later than four (4) years after the semester in which the grade was assigned.

SYMBOL DEFINITIONS:

I INCOMPLETE

Academic work which is incomplete for unforeseeable, emergency and justifiable reasons at the end of the term may result in an “I” symbol being entered in the student’s record. Conditions for removal of the “I” shall be stated by the instructor in a written record which shall contain the conditions for removal of the “I” and the grade assigned in lieu of its removal. This record must be given to the student, and a copy filed with the District’s Office of Admissions and Records until the “I” is made up or the time limit has passed. A final grade shall be assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed. This final grade assigned can include an “F” grade.

The “I” may be made up no later than one year following the end of the term in which it was assigned. A time extension beyond one year, but not to exceed one semester, may be granted by petition. The “I” symbol shall not be used in calculating units attempted, or for grade points.

W WITHDRAWAL

A withdrawal reported to the Admissions and Records Office during the first four weeks of instruction (or thirty percent of instruction for the summer session and short-term courses) shall not be noted on the student’s academic record.

A “W” symbol can be awarded any student between the end of the fourth week of instruction and the end of the
fourteenth week of instruction (or between 30 to 75 percent of instruction under the quarter system, summer session, intersession, and short-term courses).

The academic record of a student who has not withdrawn from class or been dropped by an instructor within the time allowed by this policy must reflect a grade other than “W” as awarded by the instructor. The “W” symbol shall not be used for academic probation, but only for progress probation.

The number of times a student can withdraw from a course and earn the designation of “W” shall not exceed four times. If a student enrolls a fifth time in the course, the student will receive a grade. Military withdrawals (MW) do not count against the “W” withdrawal limit. There are no restrictions on the number of times a student can receive an “MW” grade.

It is the student's responsibility to drop a class. Drop cards are available in the Admissions and Records Office, Building R, Room 112; the Office of Instruction, Building Q, Room 307; or from any counselor's office. Students must then deliver the drop cards to Admissions and Records. New and continuing students may also use the Passport Student Administration System to drop classes up to the last day to drop.

FW FAILING - WITHDRAWAL

The "FW" grade indicates a failing grade because the student has ceased to participate in the class sometime after the withdrawal deadline. The "FW" grade is treated in the same manner as an "F" grade for the purposes of calculating grade point average, course repetition, and academic standings for probation/dismissal.

MW MILITARY WITHDRAWAL

The “MW” symbol shall be assigned only for students who are members of an active or reserve military unit and who receive orders compelling a withdrawal from courses. Upon verification of orders, the “MW” symbol may be given in lieu of a grade at any time. The “MW” shall not be counted in determining progress probation or in calculating grade points for dismissal.

IP IN PROGRESS

The “IP” symbol shall be used to indicate that the course extends beyond the normal end of an academic term. It indicates that work is “in progress,” but that assignment of a grade must await its completion. The “IP” symbol shall remain on the student’s permanent record in order to satisfy enrollment documentation. The appropriate grade and unit credit shall be assigned and appear on the student’s record for the term in which the course is completed. The “IP” symbol shall not be used in calculating grade point averages.

RD REPORT DELAYED

The “RD” symbol may be assigned by the District Dean of Admissions and Records only. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is temporary. This temporary symbol shall not be used in calculating grade point averages and shall be replaced by a permanent grade as soon as possible.

CHANGE OF CLASSES

The last day to add term-length classes is published in the calendar of the current Schedule of Classes. After the specified date, only short-term or open-enrollment classes may be added.

REPEATED COURSES

The following criteria applies to courses which may be repeated:

1. Students may repeat a course for which the grading symbol of “D,” “F,” “NP,” “IP,” “W,” or “MW” has been recorded. Upon successful repetition of a “D” or “F” graded course, the student may petition that the original grade, units, and grade points not be computed in the cumulative GPA. Students should be advised that this is a procedure of the Peralta Community College District and may NOT reflect procedures of four-year institutions.
2. State regulations restrict the number of courses that can be repeated for credit, and the number of times they can be repeated. Courses that have been approved for repetition for credit are listed in the Class Schedule and the College Catalog.

3. The District may determine that a student may repeat courses because there has been a significant lapse of time since the student previously took the course.

4. Certain activity, performance, and skill courses have been designated as repeatable courses and are identified in the catalog’s course descriptions. State law will not allow a student to repeat such courses more than three times. For example, a student cannot accumulate units for more than four tennis classes.

5. Courses offered through the Disabled Students Program (DSPS) may be repeated for an unlimited number of times based on the following:
   a. Need for adequate preparation for other courses;
   b. Enhanced learning and continuing success in academic areas.

OPEN CLASSES

It is the policy of the Peralta Community College District that, unless specifically exempted by statute, every course, course section or class, the average attendance of which is to be reported for state aid, wherever offered and maintained by the District, shall be fully opened to enrollment and participation by anyone who has been admitted to the College and who meets such prerequisites as may be established pursuant to Chapter II, Division 2, Part VI, Title 5 of the California Administrative Code, commencing with Section 51820.

STUDENT STUDY LOAD

In order to complete an Associate in Arts or Associate in Science Degree at one of the Peralta Colleges in two years, an average study load of 15 units per semester is advised. For college purposes, a full-time student is one who is carrying 12 or more units.

ENROLLMENT IN CONFLICTING CLASSES

Students are NOT permitted to enroll in classes with conflicting or overlapping meeting times.

EXCESS UNITS

Students may not enroll in more than 18 units at the Peralta Colleges without prior approval. Counselor approval is required for enrollment in a combined total of 18.5-21.5 units per semester at all Peralta Colleges. Enrollment in 22-25 units per semester requires the approval of the Vice President of Student Services. Under no circumstances will approval be granted beyond 25 units. The maximum load for summer session is 10 units.

CREDIT FROM OTHER INSTITUTIONS

Merritt College accepts credit for all lower-division, degree-applicable courses completed at other collegiate institutions that have been accredited by a regional accrediting body. Consult a counselor for a preliminary evaluation of course equivalents.

COOPERATIVE EDUCATION

This is a program that provides opportunities for students to alternate periods of academic study with periods of study-related or career-oriented employment. Each program is conducted with a working agreement between the student, the employing agency, and the college. Cooperative education is a plan which integrates classroom study and on-the-job experience to orient the student to the world of work through a wide range of occupations. It offers an opportunity to explore aptitudes and interests before graduation.

INDEPENDENT STUDY POLICY

Special courses are offered under course number 49 which permit the student to explore in depth an area or problem of his/her choice not covered by regular catalog offerings. The student must meet prerequisites as outlined by individual departments.
Enrollment in an independent study course requires prior consent of a supervising instructor, the Department Chairperson, the Division Dean, and the Vice President of Instruction. The required Independent Study form, with an outline of the project and written approval, must be submitted prior to the end of the second week of the semester to the Office of Instruction.

Participation in the independent study program is limited to one course per semester regardless of the category in which the course falls. A maximum of five (5) units can be earned in any one discipline, regardless of the number of repeats.

CREDIT FOR MILITARY EXPERIENCE

Recommendations of the American Council on Education are considered in allowing credit for military experience or for courses taken during military service. Veterans must submit to the Admissions and Records Office discharge and other official papers verifying courses completed. These units of credit will be applied toward elective units and will not be counted toward the student’s Associate Degree General Education or major requirements.

Completion of a minimum of one year’s active duty with the armed forces of the United States with an honorable discharge provides six semester elective units toward the Associate Degree.

PASS/NO-PASS GRADING POLICY

In designated courses students may elect to take the course on a pass/no-pass basis rather than receive a letter grade. This decision must be made prior to the fourth week of instruction (30% of instruction for summer session and short-term classes). Upon successful completion of a pass/no-pass graded course, the student earns the specified number of units and the record will show “P” (which indicates a “C” grade or better). If the student’s work is unsatisfactory, the record will show “NP” (which indicates a “D” grade or below).

All courses listed in the Curriculum Patterns and Courses section of the catalog fall into one of three categories:

1. Courses that may be taken either for a letter grade or on a pass/no-pass basis. These courses are listed with a “GR or P/NP” notation.

2. Courses that may be taken for pass/no-pass only. These courses are listed with a “P/NP” notation.

3. Courses that may be taken for a letter grade only. These courses are listed with a “GR” notation.

A student may not repeat a course in which a grade of “P” was earned. The designation pass/no-pass (“P/NP”) may not be changed to a letter grade.

Students planning to transfer to four-year institutions are cautioned that in most cases courses in which a grade of “P” was earned will not be counted toward their major. Furthermore, limitations are imposed on the number of units of “P” that will be counted toward a Bachelor’s Degree. The student should consult the catalog of the transfer institution for more specific information on this subject.

CREDIT BY EXAMINATION

A registered student who is in good standing (not on probation) and who has completed six semester units at Merritt may request by petition to take an equivalency examination in certain designated courses. A listing is available in the Admissions and Records Office. The petition, which may be obtained in the Admissions and Records Office, must be accompanied by documentation of substantial prior experience in the content of the course. Final determination of eligibility to challenge a course by examination is made by the division involved.

Students earning a satisfactory score on the course equivalency examination specified by a department may earn the unit credit allotted for the course as determined by the department.

Credit by examination may be accrued by a student up to a maximum of 15 semester units. Units earned will be recorded on a student’s record as “P” or a letter grade, as determined by the division and grading policy. Units earned through this procedure are not treated as part of
ADMISSIONS AND COLLEGE REGULATIONS

a student’s study load and therefore are not considered for veterans’ benefits, the 12-unit residency, financial aid, athletic eligibility, or similar purposes.

For additional details, students may contact the Admissions and Records office at (510) 436-2487 or (510) 466-7368.

ACADEMIC RECOGNITION: HONOR ROLL

Students are honored by being placed on the Vice President’s list who have completed 12 or more units with a semester grade-point average (GPA) of 3.25 or better.

The honor status GPA is computed on the basis of units attempted and completed District-wide. The student’s honor status is assigned to the college where the majority of units were completed. Note: Units awarded in "P" graded classes are not counted in the GPA calculation.

ACADEMIC RECOGNITION: ASSOCIATE DEGREE HONORS

Students who receive the Associate Degree are graduated “With Honors” if they have an overall cumulative grade-point average of 3.25 to 3.49. Those with an overall cumulative grade-point average of 3.50 to 3.74 are graduated “With High Honors” and those with 3.75 to 4.0 are graduated “With Highest Honors.” (All lower-division units from regionally accredited degree-granting institutions outside of Peralta District Colleges are included in the GPA calculation.)

The honor status GPA is computed on the basis of units attempted and completed District-wide, excluding non-Associate degree courses numbered 250-299, 348, and non-credit courses numbered 400-699. The student’s honor status is assigned to the college awarding the Associate Degree.

ADVANCED PLACEMENT POLICY

The Peralta Community College District is a participant in the Advanced Placement Program of the College Entrance Examination Board. Advanced Placement (AP) credit will be granted in the Peralta Community College District according to the following policies:

1. Students must be enrolled in the Peralta Community College District in order to apply for AP Credit.

2. Students are not required to have completed any specific number of units in the Peralta Community College District prior to applying for the AP Credit.

3. Students will be granted credit for AP scores of three (3), four (4) or five (5) in specific subject areas (refer to the list at the end of the policy section).

4. Students will receive units of credit and grades of Pass ("P") on the Peralta transcript.

5. Units earned by AP examinations will be used to meet Certificate and Associate Degree requirements.

6. Units earned by AP examinations will be used towards CSU General Education Breadth certification (partial or full), according to the CSU approved list (refer to the list at the end of the policy section).

7. Units earned by AP examinations may be used to meet Intersegmental General Education Transfer Curriculum (IGETC) requirements, with the exception of Critical Thinking – English Composition and Oral Communication requirements (Areas 1B and 1C). Credits earned by a score of 3 or higher on a designated AP examination can be applied when recognized by the college as equivalent to approved IGETC courses. Each individual AP examination can clear one course only.

8. Units of AP credit may not be used to satisfy financial aid, veterans or EOPS eligibility criteria regarding enrollment status.
9. Units of AP credit may not be used to satisfy the College’s twelve (12) unit residency requirement.

Note:
1. Some four-year institutions (e.g., out of state) may not accept AP credit.
2. The applicability and quantity of AP credits granted toward major or baccalaureate degree requirements continues to be determined by the individual CSU and UC campuses.

ADVANCED PLACEMENT PROCEDURES

Students wishing to apply for AP credit should:
1. Obtain a Petition for AP Credit from the Admissions and Records Office.
2. Attach official copies of AP score reports from the College Board or an official copy of the high school transcript (if it reports Advanced Placement Examinations).
3. Take completed Petition and supporting documentation to a counselor for review.
# ADVANCED PLACEMENT EQUIVALENCY CHART

<table>
<thead>
<tr>
<th>AP EXAM</th>
<th>SCORE</th>
<th>PCCD COURSE</th>
<th>UNITS</th>
<th>CSU-GE BREADTH</th>
<th>UNITS</th>
<th>IGETC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>3,4,5</td>
<td>Art 1 or 4</td>
<td>3</td>
<td>Area C1</td>
<td>3</td>
<td>Area 3/Ars</td>
</tr>
<tr>
<td>Biology</td>
<td>3,4,5</td>
<td>Biology 10</td>
<td>4</td>
<td>Area B2</td>
<td>3</td>
<td>Area 5</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3,4,5</td>
<td>Chemistry 30A</td>
<td>4</td>
<td>Area B1 &amp; B3</td>
<td>6</td>
<td>Area 5</td>
</tr>
<tr>
<td>Computer Science</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Economics: Macro</td>
<td>3,4,5</td>
<td>Economics 1</td>
<td>3</td>
<td>Area D2</td>
<td>3</td>
<td>Area 4</td>
</tr>
<tr>
<td>Economics: Micro</td>
<td>3,4,5</td>
<td>Economics 2</td>
<td>3</td>
<td>Area D2</td>
<td>3</td>
<td>Area 4</td>
</tr>
<tr>
<td>English: Language &amp; Composition</td>
<td>3,4,5</td>
<td>English 1A</td>
<td>4</td>
<td>Area A2</td>
<td>3</td>
<td>Area 1, Group A</td>
</tr>
<tr>
<td>English: Literature &amp; Composition</td>
<td>3,4,5</td>
<td>English 1A and 1B</td>
<td>8</td>
<td>Area A2 &amp; C2</td>
<td>6</td>
<td>Area 1, Group A</td>
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<tr>
<td>French Language</td>
<td>3,4,5</td>
<td>French 1A</td>
<td>5</td>
<td>Area C2</td>
<td>6</td>
<td>UC Language req.</td>
</tr>
<tr>
<td>French Literature</td>
<td>3,4,5</td>
<td>N/A</td>
<td>N/A</td>
<td>Area C2</td>
<td>6</td>
<td>N/A</td>
</tr>
<tr>
<td>German Language and Government Politics: U.S.</td>
<td>3,4,5</td>
<td>Political Science 1</td>
<td>3</td>
<td>Area D8</td>
<td>3</td>
<td>Area 4</td>
</tr>
<tr>
<td>Gov’t &amp; Politics:</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Comparative Gov’t</td>
<td>3,4,5</td>
<td>Political Science 2</td>
<td>3</td>
<td>Area D8</td>
<td>3</td>
<td>Area 4</td>
</tr>
<tr>
<td>History: European</td>
<td>3,4,5</td>
<td>History 2A or 2B</td>
<td>3</td>
<td>Area D6</td>
<td>3</td>
<td>Area 4</td>
</tr>
<tr>
<td>History: United States</td>
<td>3,4,5</td>
<td>History 7A or 7B</td>
<td>3</td>
<td>Area D6</td>
<td>3</td>
<td>Area 4</td>
</tr>
<tr>
<td>Latin: Virgil</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Area C2</td>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>Latin: Literature</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Area C2</td>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>Mathematics:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculus AB</td>
<td>3,4,5</td>
<td>Math 3A</td>
<td>5</td>
<td>Area B4</td>
<td>3</td>
<td>Area 2</td>
</tr>
<tr>
<td>Mathematics: Calculus BC</td>
<td>3,4,5</td>
<td>Math 3A or 3B</td>
<td>5</td>
<td>Area B4</td>
<td>3</td>
<td>Area 2</td>
</tr>
<tr>
<td>Music Theory</td>
<td>3,4,5</td>
<td>Music 10</td>
<td>3</td>
<td>Area C1</td>
<td>3</td>
<td>Area 3/Arts</td>
</tr>
<tr>
<td>Music Listening &amp; Literature</td>
<td>3,4,5</td>
<td>Music 12A</td>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
<td>Area 3/Arts</td>
</tr>
<tr>
<td>Physics B</td>
<td>3,4,5</td>
<td>Physics 2A</td>
<td>5</td>
<td>Area B1 &amp; B3</td>
<td>6</td>
<td>Area 5</td>
</tr>
<tr>
<td>Physics C: (Mechanics)</td>
<td>3,4,5</td>
<td>Physics 4A</td>
<td>5</td>
<td>Area B1 &amp; B3</td>
<td>3</td>
<td>Area 5</td>
</tr>
<tr>
<td>Physics C (Electricity and Magnetism)</td>
<td>3,4,5</td>
<td>Physics 4B</td>
<td>5</td>
<td>Area B1 &amp; B3</td>
<td>3</td>
<td>Area 5</td>
</tr>
<tr>
<td>Psychology</td>
<td>3,4,5</td>
<td>Psychology 1A</td>
<td>3</td>
<td>Area D9</td>
<td>3</td>
<td>Area 4</td>
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<td>Spanish Language</td>
<td>3,4,5</td>
<td>Spanish 1A</td>
<td>5</td>
<td>Area C2</td>
<td>6</td>
<td>UC Language req.</td>
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<tr>
<td>Spanish Literature</td>
<td>3,4,5</td>
<td>N/A</td>
<td>N/A</td>
<td>Area C2</td>
<td>6</td>
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<tr>
<td>Statistics</td>
<td>3,4,5</td>
<td>Math 13</td>
<td>4</td>
<td>Area B4</td>
<td>3</td>
<td>Area 2</td>
</tr>
</tbody>
</table>

**Note:** Students wishing to receive credit for AP examinations not on this list should obtain a petition from the Admissions and Records Office and submit it to the Vice President of Instruction at the student’s home campus. These requests will be evaluated on a case-by-case basis.
PREREQUISITES, COREQUISITES, AND RECOMMENDED PREPARATION

The Peralta Community College District has established certain prerequisite, corequisites, and recommended preparation (advisory) for courses and programs in a manner consistent with law and good practice. The District and college believe that these requirements are necessary for students’ academic success. Students who do not meet these requirements are highly unlikely to receive a satisfactory grade in the course. Students may not officially enroll in a course without the appropriate prerequisite, corequisite, or equivalent preparation. Students may enroll in a course without the recommended preparation, but are advised they might not derive as much benefit from instruction as they would have if they had satisfied the recommended preparation.

PREREQUISITE means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite represents a set of skills or a body of knowledge that a student must possess prior to enrollment and without which the student is highly unlikely to succeed in the course or program. Students will not be permitted to enroll in such courses and programs without the appropriate prerequisite. A prerequisite course must be completed with a satisfactory grade (A, B, C, P).

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

RECOMMENDED PREPARATION (ADVISORY) means a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program. Recommended preparation represents a set of skills or a body of knowledge which enable a student to achieve a greater depth or breadth of knowledge of course material, but without which the student is still likely to succeed in a course or program.

If a student has not met the prerequisite or corequisite, the student will be temporarily enrolled in the course until the last day to add the class. The student’s enrollment in the class will become official if the student files a successful challenge. The student will be given ample time to provide proof that he/she has met the prerequisite or corequisite or to complete the waiver process for the prerequisite or corequisite, at which time he/she will be officially enrolled. There are three options for students who do not meet course prerequisites:

- Petition for Prerequisite/Corequisite Equivalency
- Petition for Prerequisite/Corequisite Substitution
- Prerequisite/Corequisite Challenge

PETITION FOR PREREQUISITE/ COREQUISITE EQUIVALENCY

The District will maintain a list of courses offered at other colleges or universities that satisfy the District’s prerequisites. A student who has taken one of these equivalent courses at another college or university may bring a transcript showing successful completion of the course to the Admissions and Records Office, Counseling Office, or Division Office and complete a Prerequisite/Corequisite Equivalency form. Upon verification the student will be officially enrolled in the course.

PREREQUISITE/COREQUISITE SUBSTITUTION

If the course does not appear on the pre-approved list, the student will have to complete a Petition for Prerequisite/Corequisite Substitution with the appropriate written documentation attached (course outline and transcript). If, upon review by the Department Chair, Division Dean, and/or Vice President of Instruction, the course is determined to be an equivalent prerequisite, the student will be officially enrolled in the course.
PREREQUISITE/COREQUISITE CHALLENGE

If a student desires to challenge the prerequisite or corequisite, he/she must file a Petition for Prerequisite/Corequisite Challenge with appropriate documentation in the Office of the Vice President of Instruction or Office of the Vice President of Student Services.

Grounds for challenge shall include at least one of the following:

1. The student has acquired through work or life experiences the skills and knowledge that is presupposed in terms of the course or program for which it is established.

2. The student has not yet been allowed to enroll due to limitation on enrollment established for a course that involves intercollegiate competition or public performance, or one or more of the courses for which enrollment has been limited to a cohort of students, and would be delayed by a semester or more in attaining the degree or certificate specified in his or her Student Educational Plan.

3. The student demonstrates that he or she does not pose a threat to himself or herself or others in a course which has a prerequisite established to protect health and safety.

4. The prerequisite is not necessary and appropriate for success in the course and has not been established in accordance with the District’s process for establishing prerequisites and corequisites.

5. The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.

6. The student will be subject to undue delay in attaining the goal in his or her educational plan because the prerequisite or corequisite course has not been made reasonably available.

A challenge will be resolved by the appropriate staff within five (5) working days. If the challenge is upheld, the student will be officially enrolled in the course. If no space is available in the course when a challenge is filed, the challenge shall be resolved prior to the beginning of registration for the next term, and if the challenge is upheld, the student shall be permitted to enroll if space is available when the student enrolls for the subsequent term. If the challenge is not upheld, the student will be notified in writing that he/she has been dropped from the course. The student shall bear the initial burden of showing that grounds exist for the challenge.

ATTENDANCE POLICIES

Attendance is expected at every meeting of all courses in which students are enrolled.

1. Instructors may drop a student from class if the number of absences during a semester exceeds the number of times the class meets in two weeks, unless there are extenuating circumstances warranting special consideration by the instructor.

2. All instructors shall drop students who do not attend class by Census Day if the student has not contacted the instructor with an explanation satisfactory to the instructor as to why he/she has not attended. All drops must be recorded on the Census Rosters and Instructors’ Class Records.

3. It is the student’s responsibility to drop from classes, with two exceptions: (1) Instructor’s are to drop students on the Census Roster; and (2) Instructors are to drop students on the Attendance Verification Roster. Instructors will no longer indicate drop dates on rosters or submit Drop Cards for students.

4. The instructor’s decision to drop a student for not meeting the attendance requirements of the class is FINAL. At the beginning of each semester every instructor will distribute a written statement of the attendance and grading policies, including the circumstances under which grades will be assigned.

5. A leave of absence may be requested for a limited period to cover illness, hospitalization, or acute emergencies. A request for such leaves should be
A student may withdraw from the college at any time through the 14th week of the semester. It is the responsibility of the student to make their withdrawal official through the Admissions and Records Office.

Students who do not officially withdraw may receive an “F” or “FW” grade.

STANDARDS FOR DISMISSAL

A student placed on Progress Probation shall be subject to dismissal if the percentage of units in which the student has been enrolled reaches or exceeds 50 percent in at least three consecutive semesters for which the entries of “W,” “I,” and “NP” are recorded.

A student who has received an academic dismissal will be required to remain out of college one semester. Such student may return on probationary status after one semester but must enroll in the College Success Strategies course. This course is a 1-unit, 9-week course designed to provide students with techniques in enhancing the student’s chances for success in college.

Appeals of dismissal and requests for reinstatement are handled by the Vice President of Student Services. Circumstances that might warrant exceptions to the standards for dismissal should be referred to the Vice President for evaluation.
A student on Academic Probation is removed from probation and acquires good standing when the student’s cumulative grade-point average is 2.0 or higher. A student on Progress Probation is removed from probation and placed in good-standing status when the percentage of units with entries of “W”, “I,” and “NP” drops below 50 percent.

**ACADEMIC RENEWAL POLICY**

A maximum of two semesters or a maximum of 24 semester units of course work at all Peralta Colleges which has been legally petitioned may be alleviated and disregarded in the computation of cumulative grade-point averages under the following conditions:

a. A period of one year must have elapsed since the work to be alleviated was completed;

b. The student has requested the action formally and has presented evidence that work completed in the term(s) under consideration is substandard and not representative of present scholastic ability and level of performance;

c. The student has completed at all Peralta Colleges, 15 semester units with a 2.5 GPA or better since the most recent work to be disregarded was completed. Work completed at an institution outside the Peralta District cannot be used to satisfy this requirement.

Note: When course work is forgiven, the permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history. Veterans who request alleviation of substandard academic performance may be required to reimburse the VA for changes in these benefits.

Forms for filing under this policy may be obtained from the Merritt College Admissions and Records Office.

**ACCESS TO EDUCATION RECORDS**

In conformance with requirements established by the Family Educational Rights and Privacy Act of 1974 (Public Law 93-380, as amended) and regulations in Title V of the California Administrative Code, Chapter 6, Article 6, Merritt College hereby provides notice of procedures and policies regarding student access to education records maintained by and at the college. The college’s procedures and policies must, of course, remain subject to any further modification made necessary or appropriate as a result of subsequent legislation or regulations. Questions regarding the legislation and Merritt’s guidelines should be addressed to the Vice President of Student Services. Copies of the act and the regulations are available for review in that office.

The purpose of the Act, as it applies to Merritt College, is two-fold:

1. To give present or former Merritt students access to their individual education records maintained at the college.

2. To protect such student’s rights to privacy by limiting the transfer of their records without their consent.

The legislation states that an institution is not required to grant access to students to certain materials, including:

1. Information provided by a student’s parents relating to applications for financial aid or scholarships.

2. Information related to a student compiled by a Merritt College employee that:
   a. Is appropriate for such officer or employee’s performance of his or her responsibility;
   b. Remains in the sole possession of the maker thereof;
   c. Is comprised of medical, psychiatric, or similar records which are used solely in connection with treatment purposes and only available to recognized professionals or paraprofessionals in connection with such treatment (provided,
however, that a physician or other professional of the student’s choice may review such records);

d. Is maintained by a law enforcement unit which is necessary and appropriate to enable such law enforcement unit to carry out its duties and responsibilities as required by law or as may be assigned by the District; and that such law enforcement unit personnel do not have access to other student records; and providing such information is kept apart from other student records and maintained solely for law enforcement purposes and is available only to other law enforcement officials of the same jurisdiction.

As provided by this legislation, students may voluntarily waive their rights of access to confidential recommendations on or after January 1, 1975, in three areas—admissions, job placement, and receipt of awards. Under no circumstances, however, can a student be required to waive this right.

The legislation also states that the parent or legal guardian of a dependent student, as defined for federal income-tax purposes, has a right to information about his or her child without the college having to seek the student’s consent. Thus, upon the written request of a parent or legal guardian of a dependent student, the college will honor this right to the extent that it is required by law.

As provided by the Act, the college retains the right to publish at its discretion the following categories of information with respect to each student presently or previously attending the college: the student’s name, address, telephone listing, date and place of birth, field of study, class schedule, participation in officially recognized activities and sports, weight and height (if members of athletic teams), dates of attendance, degrees and awards received and the most recent previous educational agency or institution attended by the student. Students have a right to inform the college within a reasonable period of time that any or all of this “directory information” should not be released without his or her prior consent. Merritt College has not published an “Information Directory” and should one be compiled in the future, a public notice of intent will be provided. The legislation further identifies exceptions to the written consent of release of records. Access shall be permitted to the following:

1. Officials and employees of the college or district, provided that any such person has a legitimate educational interest to inspect a record.

2. Federal or state education officials or the County Superintendent of Education or their designees, or the United States Office for Civil Rights, where such information is necessary to audit or evaluate a state or federally-funded program or pursuant to a federal or state law.

3. Other state and local officials to the extent that information is specifically required to be reported pursuant to state law.

4. Parents of a student who is a dependent as defined in Section 152 of the U.S. Internal Revenue Code of 1954.

5. Information concerning a student shall be furnished in compliance with a court order.

Access may be permitted to the following:

1. Appropriate persons in connection with an emergency if the knowledge of such information is necessary to protect the health or safety of a student or other persons.

2. Officials and employees of other public or private schools systems, including local, county or state correctional facilities where education programs are provided, where the student has been enrolled, intends to enroll, or is directed to enroll, subject to the rights of students as provided in Section 25430.7 of the Education Code and set forth in Article 5 of this chapter.

3. Agencies or organizations in connection with a student’s application for, or receipt of, financial aid.

4. Accrediting associations carrying accrediting functions.
5. Organizations conducting studies for, or on behalf of, educational agencies or institutions for the purpose of developing, validating, or administering predictive tests, administering student aid programs and improving instruction, provided:

   a. such studies are conducted in such a manner as will not permit personal identification of students or their parents by persons other than representatives of such organizations, and

   b. such information will be destroyed when no longer needed for the purpose for which it is conducted.

It should be noted that the scope of records maintained for students may vary greatly depending on individual circumstances. In some cases student files do not contain many of the types of records that the college keeps on file.

Students seeking to challenge the accuracy of materials in their educational records will be requested to state the basis for their challenge in writing to the Vice President of Student Services. The Vice President will conduct an informal review of the records with the student and inform the student of his or her rights along with procedures for correcting any inappropriate entries.

Finally, the legislation requires that a written record (log) be kept with the education records of each student indicating all parties outside the college who have requested or obtained access to the records. As noted previously, the legislation does not require the student’s prior consent to the release of such files or information to Merritt College faculty or administrators who have a legitimate educational interest in seeing the material, or to certain other persons, agencies, and organizations specified above. Access and release forms are available in the Admissions and Records Office. Any questions regarding the legislation or the college’s procedures and policies should be directed to the Vice President of Student Services.
GRADUATION 2009
STUDENT SERVICES

ACADEMIC COUNSELING AND ADVISING

Counselors assist students with their educational planning and setting of academic goals. All students are encouraged to seek the help of counselors in creating a Student Education Plan (SEP) and selecting appropriate courses for a Certificate, Associate Degree, and/or for transfer to a four-year institution. For information or to make an appointment, call (510) 436-2475.

ALTERNATE MEDIA SERVICES

Alternate media services will be provided to students, staff, and community members whose disability-related limitations prevent them from accessing printed materials in its standard or published format. This catalog, in addition to other educational materials, is available in alternate formats, such as Braille, large print, audio file, or electronic text. The office is located in Building R, Room 109D. For information, call (510) 434-3910.

ASSESSMENT SERVICES

Assessment to establish appropriate placement in English and mathematics classes is required of all new matriculating students. See the Schedule of Classes for dates, times, and locations of math, English, and English as a Second Language (ESL) assessments.

The Assessment Office schedules and conducts day and evening assessments for all new and returning non-exempt matriculating students, coordinates the new-student orientations and the "ability to benefit" testing for financial aid students, and maintains assessment results and course recommendations. The office is located in Building R, Room 109. For information, call (510) 436-2562.

ASSOCIATED STUDENTS OF MERRITT COLLEGE

The Associated Students of Merritt College, Inc. (ASMC) is the official organization of the student body. Active participation in the student council provides students with the opportunity to assist in the development of co-curricular programs and to participate in problem solving, which impacts on the formulation of general college policies.

ASMC is a self-governing student organization representing all Merritt College students. Every student enrolled in Merritt College is a member of ASMC. ASMC is composed of the Executive Council, the Senate and the Inter-Club Council. ASMC offers student leadership opportunities through participation at all levels within the student government and through campus committee representation. Merritt students enrolled in six or more units and in good academic standing are eligible to participate in the ASMC Council.

Responsibility for the direction and administration of the student body government rests with the Senate of the ASMC, which controls and distributes all student body funds. The officers of the ASMC are elected or appointed in accordance with the student body constitution. The offices include those of President, Vice President, Commissioner of Finance, Inter-Club Council Chairperson, Chief Justice, two Associate Justices, and 13 senators. Senate meetings are open and students are encouraged to attend. Information about meeting times can be obtained from the Student Activities Office in Building R, Room 124. ASMC is a member of the California Student Association of Community Colleges. For more information, contact the Student Activities Advisor in Building R, Room 124, or call (510) 436-2540.

ATHLETICS

Merritt College participates in intercollegiate competition through membership in the Bay Valley Conference, an eleven-team league in the Bay Area. The college has teams in basketball, track and field, and cross-country for both men and women. Students participating in intercollegiate athletics must meet the eligibility requirements of the CCLC Commission on Athletics Code. For specific information regarding eligibility, prospective athletes are urged to consult the Athletic Director or the coach of the sport in which they wish to participate before or immediately upon enrollment. For information, call (510) 436-2520 or visit Building F, Room 206.

BOOKSTORE—SEE COLLEGE STORE

CALWORKS PROGRAM—SEE MERRITT-WORKS
CAREER CENTER—SEE ONE-STOP
CAREER CENTER

Counselors provide career counseling and guidance for students setting educational and vocational goals. Many students are undecided as to their major field of study and should discuss possible career choices with a counselor. In addition, the college has a One-Stop Career Center that provides career resources and occupational information. Computerized systems, such as Eureka, are also available in the One-Stop Career Center for student use. Also refer to Academic Counseling and Advising, Counseling Services, and One-Stop Career Center.

CASHIER’S OFFICE

The Cashier’s Offices (Bursar’s Offices) are located in Building Q, Room 215, and Building R, Room 114. The offices are open during registration periods to 7:00 p.m. on Monday and Tuesday evenings (days and hours are subject to change). During the balance of the term, the offices are open to 4:00 p.m. The Cashier’s Offices accept personal checks, Visa, Discover, MasterCard, or cash. For information or assistance, call (510) 436-2402. Fee-based (community services) classes are paid for in the Office of Instruction located in Building Q, Room 307.

CHILDREN’S CENTER

The Children’s Center provides child care services to eligible students (working parents, those enrolled in six or more units, or from low-income families) on campus. The center provides professional care for children from one (12 months) to five years of age.

The Children’s Center provides a safe, friendly, and developmentally age-appropriate environment for children of students, staff and community members to grow and learn. The goals of the program are to offer a high-quality Center that permits children to discover and learn to become decision makers and problem solvers, to feel good about themselves, and to develop cognitive (thinking), language arts (talking), literacy (reading), social/emotional (relationships), and physical development (moving and doing) skills.

The Center is open Monday through Friday from 7:45 a.m. to 5:15 p.m. The Center follows the campus calendar and serves children during the fall and spring semesters. Children receive three cost-free meals per day. The fees for care are based on family size and gross monthly income. Services are free to eligible low-income, CalWORKs, and TANF families.

A registration process is required. Information regarding guidelines and application procedures is available at the Center, located on campus (first building on left when entering from Campus Drive). For information, call (510) 436-2436.

COLLEGE HOUR

Activities and events of college-wide interest are held during College Hour every Thursday from 12:30 p.m. to 1:30 p.m. during the fall and spring terms. For more information, contact the Student Activities Office at (510) 436-2535, or visit the office in Building R, Room 124.

COLLEGE STORE/BOOKSTORE

The College Store is operated by the Follett College Stores Corporation. All required texts plus supplementary books are stocked in the store. In addition to books, a complete assortment of school, art and engineering supplies, and physical education attire is available. A wide variety of convenience items also may be purchased at the store. The College Store accepts Visa, American Express, MasterCard, Traveler’s checks, money orders, and cash, but no personal checks. Books may also be ordered online at efollett.com. The College Store is located in Building R, Room 101. For information, call (510) 436-2438.

COOPERATIVE AGENCIES RESOURCES FOR EDUCATION (CARE)

The CARE program, part of EOPS, is a state-funded supplemental support service program for students who are single heads of household with children age 14 and under and who have an active CalWORKs case number. CARE students receive supplemental counseling and advising services, additional childcare services for study time, textbooks, supplies, and meals. Services provided include workshops, activities and classes to enhance
personal development, parenting and study skills, group support, peer networking, and referrals to campus and community-based resources. The CARE program is located in Building R, Room 109. For information, call (510) 436-2476.

COUNSELING SERVICES

The college provides counseling services to assist students with their choice of a career, with planning a program of study, and with personal problems. Students may schedule appointments with counselors during available day or evening hours. The Counseling Office is located in Building R, Room 109. For information or to make an appointment, call (510) 436-2475.

DISABLED STUDENTS PROGRAMS AND SERVICES (DSPS)

Disabled Students Programs and Services (DSPS) provides educational and vocational support services to persons with disabilities who are enrolled in classes at the college. Services include academic, personal and career counseling; registration assistance; and liaison with four-year colleges and community agencies. The DSPS Office is located in Building R, Room 109. For information, call (510) 436-2429 (Voice), or (510) 434-3881 (V/TDD). Also refer to Alternate Media Services and High Tech Center.

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS)

Extended Opportunity Programs and Services (EOPS) provides financial and academic support to students whose educational and socioeconomic backgrounds may prevent them from successfully attending college. To qualify, the student must be a California resident, enrolled in at least 12 units (but not have completed more than 70 units), eligible for a Board of Governor’s fee waiver, and educationally disadvantaged. Services provided include orientation, priority registration, specialized counseling, academic planning, career guidance, academic progress monitoring, basic skills instruction, book services, transfer assistance, and special cultural awareness activities. The EOPS Office is located in Building R, Room 109. For information, call (510) 436-2470 or 436-2473.

FINANCIAL AID

The Financial Aid Office offers information, applications and assistance about federal and state financial aid. Fee waivers, grants, loans, scholarships, work-study and other forms of assistance are available to students to cover fees, books, academic expenses, and other related costs. The office is located in Building R, Room 113. For information, call (510) 436-2465.

FOOD SERVICES

Food services at Merritt College are located in two areas: The Cafeteria in Building R, Room 131, and on the first level of Building D. In addition, there are vending machines located in the A and D Buildings, and the College Store/Bookstore also offers snacks and drinks for sale.

HEALTH SERVICES CENTER

The Health Services Center provides a variety of health programs and services to students on campus. The Health Services Center is staffed by a Registered Nurse/Marriage, Family and Child counselor. Services are free and confidential. Appointments are not necessary, but appreciated.

Services offered include assessment of illness, injuries and stress with referrals to low-cost community clinics when indicated. Additional services include health education and wellness information; crisis counseling; referrals for domestic violence, sexual assault, drug abuse, and parental stress; and Social Services referrals for shelter, food, and legal needs. Condoms, over-the-counter medications, feminine-hygiene products, blood-pressure checks, and pregnancy tests are provided free to students. Flu shots and eye exams, as well as other programs, are periodically offered at a minimal cost and are advertised in advance.

Check with the Center for current health services offered. The Health Services Center is located in Building R, Room 106. For information, call (510) 436-2533.
STUDENT SERVICES

HIGH TECH CENTER

The High Tech Center offers services for students who are recovering from head injuries, have a diagnosed learning disability, or who need accommodations/adaptive equipment. The lab contains state-of-the-art computer adaptations including voice recognition, screen readers, and spelling and math programs for students who participate in the DSPS program. Students learn to use Microsoft Word to produce documents and desktop publishing projects. The High Tech Center offers classes on using the Internet and basic web-page design. Assessments for Department of Rehabilitation clients are also provided. Students are advised to meet with a counselor in the DSPS program before enrolling in these classes. The Center is located in Building P, Room P306. For information, call (510) 436-2592.

HOUSING

Merritt has no dormitory facilities. Students not living at home must make their own arrangements for living quarters. Rental listings are available from the Student Activities Office in Building R, Room 124. For information, call (510) 436-2535. The college assumes no responsibility for these rentals.

INSTRUCTOR ADVISING

Instructor advising is available to students in most majors. Instructor advisors are experts in a particular discipline or major who give information regarding the content of a particular course, or what sequence of courses will suit the student. Students are encouraged to consult an instructor advisor as well as a counselor.

Instructor advisors can assist students interested in the course offerings in a particular field or major at universities and colleges. They can also help students find current information regarding jobs and careers in specific fields.

INTERNATIONAL STUDENT SERVICES

Special regulations govern the admission of foreign students with F-1 visas. These students should contact the Office of International Affairs for applications and admissions information at (510) 466-7380 or by fax at (510) 465-3257. The office is located next to the Peralta Community College District main office at 333 East Eighth Street, Oakland, CA 94606. For information about assessment, contact the Student Personnel Services Specialist located in Building R, Room 109, or call (510) 436-2562.

LEARNING CENTER (SELF-PACED CLASSES, TUTORING PROGRAM, AND TECHNOLOGY SERVICES)

The Learning Center is open to all students who would like assistance with instructional assignments. The Learning Center offers classes that are designed to help students acquire the skills they need to succeed in other college courses. There are several self-paced courses available for credit in English communication, writing skills, and study skills. Students receive tutorial assistance as they work at their own pace – and whenever their schedules allow – toward mastery of course materials. These courses are non-degree applicable (they cannot be applied toward an AA degree) and only pass/no-pass grades are awarded at the completion of the courses. Students may enroll up to the 12th week of the semester. Refer to the class schedule for more details.

The Tutoring Program provides students with academic assistance across the curriculum. Free tutoring is available for most courses at Merritt College. Students are eligible for one-to-one or group tutoring if they are enrolled in a Peralta Community College District course.

Merritt students can use the computers in the Computer Lab and make use of current technology to access the Internet, use e-mail, do laser printing, scan materials, and use educational software for academic classes. Tutors in the Computer Lab assist students with word processing tasks or in using software for classes. Students can also receive tutorial help on writing projects.

The Learning Center is located in Building D, Room 187. For information, call (510) 436-2442 or 436-2443.
LEARNING OPPORTUNITY PROGRAM

The Learning Opportunity Program provides assessment and instructional assistance in study skills to students who have learning disabilities and who have completed testing and evaluation by the Learning Disabilities Specialist, another qualified professional, or an agency. The Learning Disabilities Specialist provides students with individual assessment to determine specific learning disabilities. Students should be enrolled in at least six units (at least one academic course) to participate in the program.

Goals:
• Assisting students with learning disabilities in reaching their academic and vocational goals.
• Strengthening and developing students' individual learning styles to become independent learners.

Services:
• Assessment and evaluation of eligibility for the learning disabilities program.
• Identification of students' learning styles and modalities.
• Evaluation of academic skills.
• Compensatory learning strategies and techniques.
• Accommodations and services based on individual testing results.
• Computer-assisted instruction.
• Academic coaching.

For information, contact the DSPS Office in Building R, Room 109, or call for an appointment with a DSPS counselor at (510) 436-2429.

LIBRARY

The Merritt College Library enjoys one of the most picturesque settings on the campus. Facing out to a wooded rolling hillside, students can study in a quiet, relaxing atmosphere conducive to the enjoyment of individual and collaborative learning. The Library currently holds over 60,000 volumes that can be accessed from computer workstations using the PEARL online catalog. In addition, approximately one dozen online databases provide full-text access to scholarly and general-interest journals and magazines within the Library. The Library provides a variety of collections, services and instruction, including in-house archives, back issues of periodicals, reference and circulating collections, photocopying services, Internet access, and computer printing. Video/listening stations and group study rooms are available to students and faculty.

A current, valid Merritt College student identification card serves as the student's library card. Library users agree to return materials by their due dates. In the event that materials are not returned, holds will be placed on the student's record, preventing registration and access to transcripts and financial aid. Replacement and handling charges will be billed for overdue or damaged materials.

The Library promotes information literacy as a key component of general education and lifelong learning. Professional librarians are available to assist students with their research and reference needs and to provide orientation and instruction in library-use techniques, either to individual students or as classes upon request. Library services are provided throughout the semester and include day and evening hours of operation. The Library is located in Building L, Room 200. For information, call (510) 436-2457. The Library website is currently located at http://www.merritt.peralta.edu/~lrc.

LOST AND FOUND

Lost and Found is located in the Student Activities Office in Building R, Room 124. For information, call (510) 436-2535. Lost and found items must be claimed within six months.

MEDICAL EMERGENCIES

In case of severe illness or accidents requiring medical assistance, students are advised to dial 7236 from a campus phone or (510) 465-3456 from a pay phone. Peralta Police Services will respond to the emergency and notify the campus nurse. Police Services will activate the emergency response services (i.e., ambulance, fire, police, etc.).

In life or death situations (a person has stopped breathing, is bleeding profusely, or is in immediate danger), telephone 9-911 from a campus phone or phone
STUDENT SERVICES

911 from a pay phone. The county emergency response team will be activated and send an ambulance, the fire department, and police. Then dial 7236 from a campus phone or (510) 465-3456 from a pay phone. The campus police will respond and assist you. Tell them whether or not you have already called 911.

In cases of illness or accident which are serious, but not life threatening, dial 7236 from a campus phone or (510) 465-3456 from a pay phone. Campus police will respond and notify the campus nurse and/or call 911, if necessary.

MERRITTWORKS (CALWORKS)

MerrittWORKs is the name applied to the CalWORKs program on the Merritt campus. Merritt College works in collaboration with the Alameda County Department of Social Services to help families with dependent children transition from welfare to work. The program provides support services to students who are enrolled in classes and who are currently receiving aid for dependent children. Services provided include academic, personal and career counseling; financial assistance and work-study opportunities; childcare assistance and referrals; design of individualized student education plans; job placement; employment readiness skills workshops/classes; assessment and assistance with learning disabilities; computer loan program; supervised study time; academic tutoring and computer learning assistance; lifeskills and special interest workshops; and information and referral to other student services, support services and agencies. The Department of Social Services provides transportation vouchers and checks for student supplies and books on a limited basis. For information, contact the MerrittWORKs Office in Building R, Room 105, or call (510) 436-2651 or (510) 436-2469 for the MerrittWORKs counselor.

ORIENTATION

All new students at Merritt College must attend an Orientation to College session. This session lets you know what to expect at college, how often to see your counselor, information about planning your schedule, and where to find the resources that you need to succeed. Refer to the Assessment and Orientation Schedule in the current Schedule of Classes for dates, times, and locations of scheduled orientation sessions.

PARKING ON CAMPUS AND TRAFFIC REGULATIONS

The responsibility for establishing rules and regulations for vehicles and parking on Merritt College property is vested in the college and district administration (Section 2113 of the California Vehicle Code and Section 76360 of the California Education Code). Vehicle and parking regulations are as follows:

• All persons who drive motor-powered vehicles on the Merritt campus shall abide by the State of California Vehicle Code pertaining to motor vehicles and special regulations that have been or may be invoked at any time.

• The parking fee to park on campus is $1.00 per day or $40 per semester or $20 for summer session (motorcycle permits are $20 per semester and $10 for summer session). Daily tickets may be purchased from the boxes located in the parking lots or semester
StUDeNt SerViceS

parking permits may be purchased from the Cashier’s Office. Permits are not replaceable and are not refundable. The lots are monitored and parking tickets are issued for cars not displaying a daily ticket or a parking permit. Violators of traffic regulations are prosecuted in the Oakland traffic court.

• Parking of private vehicles on Merritt College property is done at the risk of the owner.
• Parking lot A and a portion of parking lots C and D are reserved for faculty, staff, visitors, and motorcycle parking. Students are not permitted to park in lot A, or in reserved spaces marked for staff and visitors in lots C and D.
• Student parking lots are C and D (excluding reserved spaces for staff and visitors) and E. All vehicles must park in designated areas and display a parking ticket/permit.
• A vehicle left unattended in an area where it will constitute a traffic hazard will be towed at the owner’s expense.
• The speed limit on the Merritt campus is 15 m.p.h. The speed limit on Campus Drive is 30 m.p.h. Because of the hazardous nature of the curve on Campus Drive, it is essential that the speed limit be observed. There have been several serious accidents, including one fatality, at that curve.
• Parking spaces designated “Handicapped” are reserved for vehicles displaying a state disabled/handicapped permit. Temporary permits are issued in the Business Services Office.
• Visitors to the campus may park in green (30-minute) zones for a maximum of 30 minutes without a permit. Visitors intending to remain longer than 30 minutes must park in a fee lot and pay $1.00.
• Questions or problems involving parking should be referred to the Dean of Student Support Services.

PERSONAL COUNSELING

Counselors are available to assist students with problems and concerns which affect or impede academic progress. When appropriate, students may be referred to other professional services in the community. For information, call (510) 436-2475.

POLICE SERVICES

Police Services is located in Building R, Room 117. Service is available 7 days a week, 24 hours per day.

Emergency Line: (510) 465-3456, or on campus at ext. 7236 (466-7236).
Non-Emergency Line: (510) 465-3414, or on campus at ext. 2668 (436-2668).

PUENTE PROGRAM

The goal of the Puente Community College Program is to increase the number of educationally under-served students who transfer to four-year colleges and universities. Puente students are provided with accelerated English writing instruction, sustained academic counseling, and mentoring from the professional community. Students must meet the following criteria to participate in the Puente Program:

• Be interested in transferring to a four-year college or university.
• Be eligible for English 201A or 201B (determined by assessment or completion of prerequisites).
• Make a commitment to work with the Puente Counselor.
• Make a commitment to work with their mentors as designated by the Puente Coordinator.

For information, visit the Puente Office located in Building R, Room 105, or call (510) 436-2529.

SAFETY AIDES

Safety Aides assist Police Services by patrolling the campus and its parking lots. Aides are available for escort services to and from parking lots. To receive assistance, call (510) 466-7236.
SCHOLARSHIP INFORMATION

Scholarship information can be accessed in the following ways:

- Online at a Eureka Access Scholarship web site; on-campus access sites include computers in Rooms R105 and D187.
- Postings on the Student Activities scholarship bulletin board located outside R124.
- In a scholarship binder available in the Financial Aid Office located in Room R113 or the Student Activities Office located in Room R124.

STUDENT ACTIVITIES

The college recognizes that student activities are an integral part of the educational program and provides time in the regular schedule for individuals and groups to participate in planning and organizing activities of mutual interest. The Student Activities Office provides a variety of services and activities that enhance student life on the Merritt campus. The Office plans and implements a calendar of campus activities, presents an annual student leadership seminar, and sponsors multicultural enrichment events in conjunction with the ASMC.

Services provided include activities and activities coordination, purchase of AC Transit and BART passes, copy machine and fax services, housing bulletin board, lost and found, merchant discounts with ASMC “gold” photo ID, postage stamps, and student ID cards. For information, visit the Student Activities Office located in Building R, Room 124, or call (510) 436-2535. For information about approval and posting of event/other information, student clubs, student government/ASMC, and student organizations’ offices and mailboxes, contact the Advisor at (510) 436-2540.

STUDENT CENTER (BUILDING R)

The Merritt College Student Center (Building R) houses all offices providing services to students under the auspices of Student Services Administration. See individual listings for a description, as well as office locations, of these services.

STUDENT CLUBS AND ORGANIZATIONS

Student organizations were established to provide opportunities for students to participate in scholastic, social, and recreational pursuits outside the regular classroom schedule. In order for a club or organization to be sponsored by the ASMC, it must abide by the campus policy on club activities as set forth in the Procedures and Policies Handbook for Student Activities, available in Building R, Room 124. For information, call (510) 436-2535.

STUDENT "GOLD" OR "WHITE" ID CARD

All Merritt students are required to have an up-to-date Merritt Identification (ID) Card. Students are entitled to one free “white” ID/Library Card each semester issued up to and including the last day to add classes. The white ID card can be obtained by bringing a current semester printout of your classes and a current California driver’s license or ID card to the Student Activities Office in Building R, Room 124, during the posted hours of operation. In addition, each student may purchase a “gold” ID card for $5.00. All ID/Library Cards and sticker updates issued after the last day to add classes cost $5.00. All Gold ID/Library Cards, regardless of the date, are only available for the $5.00 fee.

The effective functioning of the ASMC depends on student participation and financial support. Because some of the financial support for ASMC originates from the sale of the “Gold” student ID cards, students are encouraged to purchase a gold card in support of their student council. The “Gold” card entitles students to reduced admission costs to home athletic events, and Discount Days at the Bookstore and with participating local merchants. The optional fee supports student activities as determined by the Associated Students Council.

TRANSFER CENTER

The Transfer Center provides information and support to students for the transfer process, information on transfer activities, and programs that link Merritt College and ten University of California and twenty-three California State
STUDENT SERVICES

University campuses, and many independent colleges and universities located throughout the Bay Area and the United States. Services provided include the following:

- Transfer counseling (selecting a major, completing lower-division requirements, etc.).
- Resource library of college catalogs.
- Online monthly calendar of transfer events.
- Tours to four-year colleges and universities.
- Appointments with visiting college representatives who provide application assistance.
- Application, personal statement, and transfer workshops.

The Center is located in Building R, Room 105. For information, call (510) 436-2445.

TUTORIAL PROGRAM

The Tutorial Program, housed and operated in the Learning Center, provides students with qualified student tutors in various academic areas. Tutors support the student’s regular instructional program through individual and small-group tutoring. Tutorial assistance provides support, motivation, and encouragement for students. This service is free to all Merritt students. To sign up for tutoring services, a student must complete a brief application and indicate the hours available for tutoring. Those students who are interested in becoming tutors can contact the Tutorial Coordinator at (510) 436-2442 or 436-2443. The Tutorial Program is located in Building D, Room 187.

VETERANS’ SERVICES

Merritt College offers educational assistance to eligible active-duty military, retired, and reserve personnel and their dependents, according to Title 38, U.S. Code, and Section 32320 of the California Education Code. The U.S. Department of Veterans Affairs and the California Department of Veterans Affairs determine eligibility for benefits under this program. For information, visit Veterans’ Services located in Building R, Room 113G, or call (510) 436-2574.

VOCATIONAL EDUCATION TUTORING SERVICE

Vocational education funds assist the college in providing services it would otherwise be unable to provide. One of these services is tutoring students who are either majoring in specific vocational programs, or those who are enrolled in vocational classes. Students should contact their instructor for further details.
DISTRICT AND COLLEGE POLICIES

I. DISCRIMINATION COMPLAINT PROCEDURES

The Peralta Community College District as a public institution, prohibits discrimination in any and all of its activities, including: employment; procuring of goods and services; availability of its educational offerings; and other programs and activities such as financial aid and special services. In order to accomplish these tasks, the Office of Equal Opportunity is assigned the responsibilities of overseeing and investigating any charges of discrimination or other complaints. A discrimination complaint log will be maintained as well as complete records of complaints and resolutions. The Office of Equal Opportunity will handle both student and employee complaints by working with the Vice Presidents of Student Services for student complaints and with the Vice President of Instruction for employee complaints.

To insure that students and employees of the District are aware of the provisions of this policy, a general statement will be published in each class schedule and a bulletin will be circulated to each District employee.

The following procedures are in compliance with the guidelines of state law:

1. Student discrimination complaints may be filed with the Office of Student Services at each campus.
2. Employee complaints may be filed with the Office of Instruction at each campus.
3. All complaints should be forwarded to the District Equal Opportunity Officer on the approved district form.
   a. Upon receipt of a complaint, a copy will be forwarded to the State Chancellor’s Office on the appropriate form.
   b. Defective complaints will be returned to the complainant with an explanation of the deficiencies and how they may be corrected if the complaint is to be considered.
4. Within fourteen (14) days of the complaint, an investigation will commence with notification to the complainant of the initiation of the investigation.
5. If the complaint proves to be accurate, a resolution of the problem will be proposed and corrective actions taken to ensure that the act is not repeated.
6. After a proposed resolution is developed and approved, the complainant will be notified of the resolution. Should the complainant not be satisfied, he/she may object to the proposed resolution through the State Chancellor’s Office within thirty (30) days. The Office of Equal Opportunity will furnish the complainant with necessary information regarding where and how to file the objection with the State.
7. After the resolution proposal is sent to the complainant, the District will forward the complete file of the complaint; findings of the investigation; the District’s proposed resolution; the letter to the complainant informing him/her of the proposal; and any relevant material to the State Chancellor’s Office.

POLICY PROHIBITING DISCRIMINATION (INCLUDING SEXUAL AND RACIAL HARASSMENT AND DISCRIMINATION) TOWARD STUDENTS

The Peralta Community College District, in accordance with applicable Federal and State laws and Board Policy, prohibits unlawful discrimination towards students on the basis of race, creed, color, ancestry, religion, sex, national origin, age (40 and over), marital status, medical condition (cancer related), disability, political views and affiliations, sexual orientation/preference, and transgender status at any stage in any and all of its programs and activities, including availability of its educational offerings; and other programs and activities such as financial aid and special services. To that end, the District will take immediate, appropriate steps to investigate complaints of discrimination to eliminate current discrimination and prevent further discrimination. The District prohibits retaliation against any individual who files a complaint or who participates in a discrimination or discriminatory harassment inquiry.

The Title IX, Section 504 and ADA Coordinator for the Peralta District is the District Equal Opportunity Officer whose office is located at 333 E. 8th Street, Oakland, California 94606; telephone (510) 466-7252.

Each college has an ADA Coordinator who can be reached by calling the main number of the college.

Students, faculty, employees, and applicants for employment who believe they have been discriminated against may file a discrimination complaint with the President of the college, Vice President of Student Services (for students), Vice President of Instruction (for faculty or employees) or the District Equal Opportunity Officer. Complaint forms and procedures are available in the offices of the President, Vice Presidents, and Equal Opportunity Officer.

The Peralta Colleges encourage “mainstreaming” students with disabilities into regular classes. The colleges offer support services to make education accessible. Each main campus has an Enabler/Coordinator who coordinates the Disabled Students Program. Students who find that a class is not accessible should contact the Disabled Students Programs and Services Office for assistance. Services provided include classroom interpreters, notetakers, readers, special counseling on disability management, peer counseling groups, and special adaptive equipment.

The lack of English language skills will not be a barrier to admission and participation in the colleges’ vocational education programs.

POLÍTICA QUE PROHÍBE LA DISCRIMINACIÓN HACIA LOS ESTUDIANTES (INCLUYENDO LA DISCRIMINACIÓN Y EL ACOSO SEXUAL Y RACIAL)

El Distrito de los Colegios Universitarios Comunitarios de Peralta, de conformidad con las leyes federales y estatales pertinentes y con la Política de la Junta, prohíbe que los estudiantes sean sometidos a discriminación y acoso discriminatorio ilícitos basados en la raza, las creencias, el color, la ascendencia, la religión, el sexo, el origen nacional, la edad (40 años de edad o más), el estado civil, los problemas médicos (relacionados con el cáncer), las incapacidades, las afiliaciones y opiniones políticas, la orientación/preferencia sexual o la transmutación de sexo en cualquier etapa, en cualquiera de los programas y actividades del Distrito, incluyendo la disponibilidad de los ofrecimientos educacionales; y en otros programas y actividades como la ayuda financiera y los servicios especiales. Por ello, el Distrito investigará las quejas de discriminación inmediatamente, siguiendo los pasos pertinentes, a fin de eliminar la discriminación actual y evitar discriminación futura. El Distrito prohíbe las represalias contra cualquier individuo que presente una queja o participe en una investigación con relación a discriminación o acoso discriminatorio.


El Coordinador del Título IX y Sección 504 para el Distrito de Peralta es el Funcionario de Oportunidad Iguai del Distrito, cuya oficina se encuentra situada en el 333 E. 8th Street, Oakland, CA 94606; teléfono (510) 466-7252.

Los estudiantes, miembros de la facultad, empleados y solicitantes de empleo que crean que hayan sido discriminados pueden presentar una queja de discriminación ante alguno de los siguientes funcionarios: el Presidente del colegio correspondiente, el Vice Presidente de Servicios Estudiantiles (en el caso de los alumnos), el Vice Presidente de Enseñanza (en el caso de facultad o empleados) o el Funcionario de Oportunidad Iguai del Distrito. Los formularios de queja y los procedimientos correspondientes se encuentran a su disposición en las oficinas del Presidente, de los Vice Presidentes y de Oportunidad Iguai.

Todos los colegios del Distrito de Peralta fomentan la incorporación de alumnos con incapacidades físicas y mentales a las clases regulares. Los colegios ofrecen servicios de apoyo a fin de brindar una educación accesible. Cada colegio tiene un Coordinador cuya función es administrar el programa para estudiantes incapacitados. Los estudiantes que encuentren que una clase no es accesible deben comunicarse con el Centro de
DISTRICT AND COLLEGE POLICIES

Recursos para Estudiantes Incapacitados a fin de recibir asistencia. Los servicios del Centro incluyen asistencia por medio de intérpretes en el aula, personas que puedan tomar los apuntes, lectores, un servicio de asesoramiento especial para el manejo de las incapacidades y un grupo de asesoramiento constituido por personas con problemas similares. También hay libros de texto en sistema Braille, libros de texto grabados y otros equipos especiales.

La falta de fluidez en el idioma inglés no es un obstáculo para el ingreso y la participación en los programas de educación vocacional de los colegios.

IMPLEMENTING PROCEDURES PROHIBITING SEXUAL, RACIAL, AND DISABILITY HARASSMENT AND DISCRIMINATION TOWARD STUDENTS

A. DISSEMINATION

The policy and procedures shall be published in all student, faculty and staff handbooks, each college’s catalog and schedule of classes, and other printed material deemed appropriate by each college’s Vice President of Student Services.

The policy and procedures will also be disseminated to students at each college’s new student orientation and at periodic workshops to be scheduled by each college’s Vice President of Student Services.

The policy and procedures will also be disseminated to each faculty member, all members of the administrative staff, and all members of the support staff both at time of hire and at the beginning of each school year.

The policy and procedures shall also be displayed in a prominent location at each college along with the other notices regarding the college’s procedures and standards of conduct. A copy of the Policy and Procedures shall be made available to any person expressing a verbal complaint about such matters.

B. SEXUAL, RACIAL, AND DISABILITY HARASSMENT AND DISCRIMINATION DEFINED

The Peralta Community College District expressly forbids sexual, racial, and disability harassment of its students by faculty, administrators, supervisors, District employees, other students, vendors or members of the general public. The District also prohibits discrimination of its students by subjecting any student to adverse or differential treatment, or depriving that student of any benefits of the District because of that student’s sex, race, or disability. Furthermore, the District prohibits retaliation against any individual who files a complaint or participates in a discrimination inquiry.

Sexual harassment includes, but is not limited to, unwelcome sexual advances, requests for sexual favors, and other verbal, visual, or physical conduct of a sexual nature, made by someone from or in the educational setting, under any of the following conditions:

1. Submission to the conduct is explicitly or implicitly made a term or a condition of a student’s academic status, or progress.
2. Submission to, or rejection of, the conduct by a student is used as the basis of academic decisions affecting the student.
3. The conduct has the purpose or effect of having a negative impact upon a student’s academic performance, or of creating an intimidating, hostile, or offensive educational environment.
4. Submission to, or rejection of, the conduct by a student is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the educational institution.
5. Any other such conduct that may have an effect on a student’s learning environment or his or her ability to enjoy any privileges or benefits provided by the District.

The prohibition of racial harassment similarly enjoins conduct or incidents based on race that may interfere with or limit the ability of an individual to participate in or benefit from the services, activities, or privileges provided by the District.
The prohibition of disability harassment similarly enjoins conduct or incidents based on disability that may exclude an individual from participation in or be denied the benefit of the services, programs, or activities provided by the District to other non-disabled students.

A harassing environment is created if conduct of a sexual or racial nature or conduct based on student’s disability is sufficiently severe, persistent, or pervasive to limit a student’s ability to participate in or benefit from the education program by the District or to create a hostile or abusive educational environment.

C. EXAMPLES OF PROHIBITED HARASSMENT

Sexual, racial, disability harassment includes, but is not limited to, the following examples of conduct that is undertaken because of the sex, race, or disability of the student victim:

1. Unwanted physical touching (beyond normal greetings).
2. Displays of offensive materials, objects, photos, etc., with a sexual, racial, or disabled theme.
3. Situations affecting a student’s studying and learning conditions and making the learning environment unpleasant and uncomfortable, whether the actions are purposeful or not.
4. Verbal insults (in reference to gender, race, sexual orientation, or disability).
5. Rumors designed to cause the individual emotional distress or place him or her in a bad light.
6. Physical assault.
7. Unwelcome direct propositions of a sexual nature.
8. Subtle pressures for unwelcome sexual activity, an element of which may be conduct such as repeated and unwanted staring.
9. A pattern of conduct not legitimately related to the subject matter of a course, which is sufficiently severe, persistent, or pervasive to limit a student’s ability to participate in or benefit from the education program or to create a hostile or abusive educational environment, that includes one or more of the following:
   (a) Comments of a sexual/racial nature or which are demeaning or derogatory based on a disability, or
   (b) Sexually explicit statements, questions, jokes, or anecdotes.
10. Unwanted attempts to establish a personal relationship.
11. A pattern of conduct that would cause discomfort or humiliate, or both, a reasonable person at whom the conduct was directed that may include one or more of the following:
   (a) Unnecessary touching, patting, hugging, or brushing against a person’s body,
   (b) Remarks of a sexual nature about a person’s anatomy or clothing, or
   (c) Remarks about sexual activity or speculations about a previous sexual experience.

All persons should be aware that conduct towards a student that is not specifically identified in this policy may nonetheless constitute impermissible sexual, racial or disability harassment.

D. ACADEMIC FREEDOM AND FREEDOM OF SPEECH

As participants in a public institution, the faculty and staff of the Peralta Community College District enjoy significant free speech protections found in the First Amendment of the United States Constitution and Article I Section I of the California Constitution. The right of academic freedom includes a special area of protected speech. Consistent with the principles of academic freedom, course content and teaching methods remain the province of individual faculty members. Academic freedom, however, is not limitless. Academic freedom does not protect classroom speech that is unrelated to the subject matter of the course or in violation of federal or state anti-discrimination laws. Some speech may constitute environmental sexual harassment, harassment based on another impermissible characteristic or discrimination. If a faculty member engages in unwelcome sexual behavior or other improper behavior based on a characteristic protected by this policy that has the purpose or effect of unreasonably interfering with an employee’s work environment or a student’s academic performance or creates a hostile and intimidating work or academic environment, then it may constitute environmental harassment or discrimination.
as outlined in Board Policy and these implementing procedures.

The District must balance these two significant interests: the right of academic freedom and the right to be free from discrimination and harassment. The First Amendment protections, including those of academic freedom, are not absolute. When a faculty member raises academic freedom as a defense against charges of discrimination or discriminatory harassment, the District must examine the nature and context of the faculty member’s behavior. A key to this examination is determining whether the behavior of the faculty member is related to his or her legitimate academic judgments within the context of furthering the institution’s legitimate mission.

Nothing in the District’s Discrimination and Discriminatory Harassment Policy should be construed to prevent faculty members from rigorously challenging fundamental beliefs held by students and society. These challenges should be done in a manner that, in the professional judgment of the faculty member, is most pedagogically advisable. Indeed, this is at the core of academic freedom; however, faculty members may not interject into the academic setting an element of discrimination or discriminatory harassment that is unrelated to any legitimate educational objective. Nor, may a faculty member create, or allow, the educational setting to be so charged with discrimination or discriminatory harassment, that our students are prevented from effectively participating in the academic environment. As such, faculty members must be aware that the District will investigate and respond to employee or student complaints that involve course content in accordance with its general discrimination and discriminatory harassment policy and faculty members may be subject to discipline for egregious conduct, in the same manner as provided in Board Policy and any implementing procedures for all other District employees.

The Peralta Community College District is committed to insuring that the academic freedom rights of our faculty are secure, and to insuring our students an academic environment free of discrimination and harassment. Nothing in this section is intended to abrogate rights of Academic Freedom stated in the collective bargaining agreement with the Peralta Federation of Teachers.

E. CONSENSUAL RELATIONSHIPS

1. Definitions:
   (a) The terms “instructors” and “faculty member” are defined as any person who teaches in the District, is in an academic position, or by virtue of their position has control or influence on student performance, behavior, or academic career.
   (b) A “District employee” is defined as any person who is employed by the Peralta Community College District, or acts as its agent and operates within the District’s control.

2. Rationale:
   The District’s educational mission is promoted by professionalism in faculty/student, as well as supervisor/subordinate, relationships. Professionalism is fostered by an atmosphere of mutual trust and respect. Actions of faculty members and supervisors that harm this atmosphere undermine professionalism and hinder fulfillment of the educational mission. Trust and respect are diminished when those in positions of authority abuse their power in such a context as to violate their duty to the educational community and undermine the trust placed in the District as a public employer and an educational institution.

3. Ethical Violation:
   Recognizing that the unequal power of adult consenting parties is inherent in consensual relationships between supervisor and employee or student and teacher, the District will view it as unethical behavior if faculty members or supervisors engage in romantic relations with students enrolled in their classes or employees under their supervision even though both parties appear to have consented to the relationship.

4. Presumption of a Policy Violation:
   The faculty member or supervisor who contemplates a romantic relationship with a student or employee must realize the complexity of the situation and its potential negative consequences. Regardless of consent or mutual attraction, the faculty member or supervisor generally will be judged guilty of sexual harassment if any complaint eventually emerges, either from the partner in the relationship or from his or her fellow students or co-workers. A romantic
relationship between any minor employee or student and an adult employee is presumptively deemed not to be a consensual relationship and constitutes sexual harassment.

5. Voluntary Consent Not a Defense:
Faculty members and supervisors exercise power over students and their subordinates, whether in giving or failing to give praise, criticism, performance evaluations, promotions or other similar actions. Romantic relationships between faculty members and students, or between supervisors and subordinates, can destroy necessary professional relationships. Voluntary consent by the student or subordinate is always suspect, given the asymmetric nature of the relationship. Moreover, such unprofessional behavior, or even the appearance of such may affect other students, faculty, and staff, because it gives one student or subordinate the appearance, correctly or incorrectly, of power or favor at the expense of others.

F. HARASSMENT AND DISCRIMINATION COMPLAINT PROCEDURES

In order to accomplish the task of prohibiting discrimination and harassment, the District’s Equal Opportunity Officer is assigned the responsibilities of overseeing and investigating any charges or complaints of discrimination or harassment. The District’s Equal Opportunity Officer will maintain a discrimination and harassment complaint log and complete records of complaints, investigations and resolutions.

The District’s Equal Opportunity Officer will work with the Vice President of Student Services of each college for processing all discrimination and harassment complaints.

In compliance with the guidelines established by state and federal law, the following procedures will be implemented to investigate and resolve complaints of unlawful discrimination and harassment:

1. Complaints of unlawful discrimination may be filed by a student who has personally suffered discrimination or by a person who has knowledge of such discrimination, within one year of the date of the alleged unlawful discrimination or within one year of the date on which the complainant knew or should have known of the facts underlying the allegation of unlawful discrimination or harassment.

2. Student discrimination or harassment complaints may be filed with the District’s Equal Opportunity Officer (at 333 East Eighth Street, Oakland, CA 94606; (510) 466-7252).

3. Student discrimination and harassment complaints may also be filed with the Vice President of Student Services as follows:
   Berkeley City College, Room 242, (510) 981-2820
   College of Alameda, Building A, Room 111, (510) 748-2204
   Laney College, Tower Building, Room 412, (510) 464-3162
   Merritt College, Building R, Room 112, (510) 436-2478

4. All complaints not filed directly with the District’s Equal Opportunity Officer should be immediately forwarded to that Officer on the approved District form.

5. Whenever any person brings charges of unlawful discrimination to the District Equal Opportunity Officer’s attention, that Officer shall:
   (a) Inform the complainant that he or she may, but is not required to, informally resolve the charges and that s/he has the right to end the informal resolution effort and begin the formal stage at any time;
   (b) Notify the complainant of the procedures for filing a complaint;
   (c) Discuss with the complainant what actions he or she is seeking in response to the alleged discrimination; and
   (d) Advise the complainant that he or she may file a complaint with the Office for Civil Rights of the United States Department of Education.
   (e) Immediately upon receipt of a complaint, the District’s Equal Opportunity Officer will forward a copy to the State Chancellor’s Office on the appropriate form.
   (f) The District’s Equal Opportunity Officer will return defective complaints to the complainant with an explanation of the deficiencies and how they may be corrected if the complaint is to be
considered.

(g) Upon receipt of the complaint, the District Equal Opportunity Officer will review the complaint and determine the need for any interim measures of relief pending completion of the investigation.

6. Within fourteen (14) days of receiving the complaint, a thorough and impartial investigation will commence with notification to the complainant and the Chancellor of the initiation of the investigation. Complaints will be investigated and resolved in accordance with the District’s unlawful discrimination complaint procedures. To ensure a prompt and equitable investigation of complaints, the investigation shall include an opportunity for the complainant and the accused to present witnesses and other evidence on their behalf. Thus, the investigation shall include private interviews with the complainant, the accused individual and each of the witnesses identified by both parties. Sufficient information about the allegations of the complaint shall be disclosed to the accused to provide him/her with an opportunity to respond to the allegations of the complaint and provide additional information. To the extent appropriate, the District will keep the complainant apprised of the progress of the investigation.

7. Complaints will be handled promptly in an appropriately confidential manner—that is, the District’s Equal Opportunity Officer will disclose the identities of the parties only to the extent necessary to carry out an investigation.

8. The results of the investigation shall be set forth in a written report which shall include at least all of the following:
   (a) Description of the circumstances giving rise to the complaint;
   (b) A summary of the testimony provided by each witness, including the complainant and any witnesses identified by the complainant;
   (c) An analysis of any relevant data or other evidence collected during the course of the investigation; and
   (d) A specific finding as to whether discrimination did or did not occur with respect to each allegation in the complaint.

9. Within ninety (90) days of receiving a complaint, the District shall complete its investigation and provide the complainant with the following information:
   (a) A written notice setting forth:
      (1) A copy or summary of the District’s investigative report;
      (2) The District’s determination on the merits of the complaint; the proposed resolution of the complaints, to the extent that disclosure does not invade any person’s privacy rights; and
      (3) The complainant’s right to appeal to the District governing board and the Chancellor.

   Likewise, the accused individual shall be notified of the outcome of the investigation.

10. If the allegation of sexual, racial, or disability harassment is substantiated, the District will take reasonable, timely and effective steps to end the harassment. Depending upon the severity of a given case and/or prior incidents of harassment, a violation of this rule shall lead to disciplinary action including the possibility of expulsion or termination from the District. Remedial measures will be offered if appropriate to correct the discriminatory effects on any individual who has experienced harassment. The District’s policy against discriminatory harassment will be interpreted consistently with any federally guaranteed rights involved in a complaint proceeding, including student’s First Amendment rights to free speech and the accused individual’s right to due process.

11. Should the Complainant not be satisfied, he or she may appeal the proposed resolution within ten (10) days of the date of the proposed resolution to the Chancellor. The Chancellor may request an additional investigation, sustain the administrative determination, reverse the administrative determination or take any other appropriate action. If the Chancellor makes the administrative determination, the Complainant may appeal directly to the Board of Trustees within the same time periods set forth above. If the Chancellor sustains the administrative determination or the Complainant is not otherwise satisfied with the Chancellor’s decision, the Complainant may appeal to the Board of Trustees within fifteen (15) days of the Chancellor’s decision. All appeals shall be filed with the Chancellor’s Office.
at 333 East 8th Street, Oakland, CA 94606. Should the complainant not be satisfied, he or she may appeal the proposed resolution to the District governing board within fifteen (15) days. The District board shall review the original complaint, the investigative report, the determination and the appeal and may issue a final District decision within forty-five (45) days of receiving the appeal. The decision of the Administration will become final if the Board does not act within forty-five (45) days. The student may then appeal the final District decision to the State Chancellor’s Office within thirty (30) days. The Office of Equal Opportunity will furnish the complainant with necessary information regarding where and how to file the objection with the State Chancellor’s Office.

12. Within 150 days of receiving the complaint, and after the resolution proposal is sent to the complainant, the District will forward the complete file of the complaint, findings of the investigation, the District’s proposed resolution, the letter to the complainant informing him or her of the proposal, and any relevant material to the State Chancellor’s Office.

2.0 DEFINITION OF SEXUAL ASSAULT
(EDUCATION CODE 67365)

2.1. “Sexual Assault” includes, but is not limited to, rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, or threat of sexual assault.

3.0 PROCEDURE

The Office of the Vice President of Student Services shall have full responsibility, except for public information, for the administration and follow-up of the sexual assault program required. This includes:

- Making available to students and staff the District policy on sexual assault.
- Meeting legal reporting requirements.
- Identifying available services for the victim.
- Developing and updating a description of campus resources available to victims as well as appropriate off-campus services.
- Implementing procedures for keeping the victim informed of the status of any student disciplinary proceedings in connection with the sexual assault.
- Providing confidentiality.

3.1. It shall be the responsibility of the Vice President of Student Services to see to it that victims of sexual assault committed at or upon the grounds of, or upon off-campus grounds or facilities maintained by the District, shall receive information and referral for treatment. Services available include immediate short-term crisis counseling, and long-term counseling referral to agencies in the community. This information shall be provided with sensitivity and in consideration of the personal needs of the victim.

3.1.1. Any student, faculty, or staff member who is a victim of sexual assault at a District facility referred to in Section 1.1 of this policy is encouraged to notify the Vice President of Student Services. The Vice President of Student Services, with the consent of the victim, shall notify the Campus/District Police Services.

3.1.2. Pursuant to legal requirements, the Campus/District Police will notify the appropriate local law enforcement agency of the reported sexual assault,
3.1.3. In accordance with the Campus Crime Awareness and Security Act of 1990, the District, on an annual basis, shall notify students and employees of statistics concerning specific types of crime, including sexual assault. This notice shall be made through appropriate publication/mailings. The names of the victims will not be reported in the statistics.

3.1.4. In cases of violent crimes considered to be a threat to other students and employees, each college’s President or the Chancellor of the District shall make timely reports, respecting the confidentiality of the victim, to the college community in a manner that will aid in the prevention of similar occurrences.

3.1.5. Upon notification of a sexual assault, the Campus/District Police Services will distribute to the victim a description of campus resources and services available to the victim, as well as appropriate off-campus services. Each student or employee should have a copy of this policy.

3.1.6. The listing of resources and services shall be available through the Campus/District Police Services, each college’s Counseling Department, and Health Services Unit.

3.1.7. A victim of sexual assault shall be provided with information about pursuing the following remedies or actions against the perpetrator:

- **Employees: Criminal Prosecution/Civil Prosecution**
  - District disciplinary process:
    - Violation of this policy will cause disciplinary action which may include termination of employment or may require an employee to participate in a rehabilitation program.
  - **Students: Criminal Prosecution/Civil Prosecution**
  - District disciplinary process:
    - Students are required to comply with this policy to remain in good standing and as a condition of continued attendance at any of the District’s colleges. Violation of this policy will be cause for disciplinary action against the student, up to and including expulsion, and/or may require the student to participate in a rehabilitation program.

3.1.8. A victim of sexual assault shall be kept informed by the college President/designee or the Chancellor of the status of and disposition of any District/College disciplinary proceedings in connection with the sexual assault.

3.1.9. The Counseling Department and Health Services shall assist, upon request, the victim of sexual assault in dealing with academic difficulties that may arise because of the victimization and its impact.

3.1.10. The identity of a victim of sexual assault shall remain confidential unless otherwise prescribed by law. Requests for information regarding the sexual assault from the press, concerned students, parents, and Peralta employees not involved in the assault or its investigation, will be handled by the college’s Public Information Office or the District’s Office of Marketing in accordance with these regulations: the Family Educational Right and Privacy Act, applicable California Education Code and Administrative Code sections, and Peralta Community College District Policy.

### 4.0 DISSEMINATION

4.1. These procedures shall be published in all student, faculty and staff handbooks, each college’s catalog and schedule of classes and other printed material deemed appropriate by each college’s Vice President of Student Services.

4.2. These procedures will also be disseminated at each college’s orientation and at periodic workshops to be scheduled by each college’s Vice President of Student Services.
The purpose of this procedure is to provide a prompt and equitable means of resolving student grievances. This procedure shall be available to any student who reasonably believes an experience or decision has adversely affected his or her status, rights or privileges as a student. A grievance may be initiated by a student against an instructor, an administrator, or a member of the classified staff. A grievance may also be initiated against another student.

A. GROUNDS FOR FILING STUDENT GRIEVANCES

The Student Grievance Procedure shall apply only to grievances involving:

1. Academic (Grade) Grievance: A complaint alleging mistake, fraud, bad faith or incompetence in the academic (grade) evaluation of student performance. (Board Policy 4.43A)

2. Violation of Law, Policy, and Procedures:
   a. Violation of rights which a student is entitled to by law or District policy, including financial aid, exercise of free expression, rules for student conduct, admission, probation, or suspension or dismissal policies.
   b. Act or threat of physical aggression.
   c. Act or threat of intimidation or harassment.

This Student Grievance Procedure does not apply to:

1. Police citations (i.e. “tickets”): Complaints about citations must be directed to the Campus Police in the same way as any traffic violation.

2. Discrimination, Sexual Assault or Sexual Harassment: Any student who feels he/she has been or is presently an alleged victim of sexual harassment, may first contact the Vice President of Student Services to file a complaint verbally or in writing, or may directly contact the District’s Equal Opportunity Officer at 333 East Eighth Street, Oakland, CA 94606, (510) 466-7220. At the time a complaint is made known, a copy of the complaint procedures and a complaint form shall be made available to the complainant. For additional information regarding reporting of discrimination, sexual assault or sexual harassment, please refer to Discrimination Complaint Procedures in this catalog.

B. 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.

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.

Observer: An individual who is present at a hearing to observe the proceeding, but shall not be allowed to speak and address the committee.

Written Notice/Written Decision: Notice sent by personal service or by registered or certified mail with return receipt requested via the U.S. Postal Service.

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

C. GRIEVANCE PROCESS

1. Step One: Informal Resolution

Within 30 days of the allegation, each student who has a grievance shall make a reasonable effort to resolve the matter on an informal basis prior to requesting a grievance hearing:

a. For an academic (grade) grievance, the student shall make an appointment with the faculty against whom he/she has a grievance during the faculty member’s posted office hours or at a mutually-agreed-upon
time, in order to discuss the student’s complaint. Should the faculty against whom the student has an academic complaint fail to meet with the student in a timely manner, the student may meet with the Division Dean of Instruction of the faculty member.

b. For a grievance based on an alleged violation of law, policy, and procedures, the student shall attempt to solve the problem with the person with whom the student has the grievance, that person’s immediate supervisor, or the Vice President of Student Services (or designee).

2. Step Two: Formal Complaint Procedures

Any student who believes he/she has a grievance must file an approved grievance complaint form with the Vice President of Student Services (or designee). The student may obtain the form from the Office of the Vice President of Student Services.

The student must file within 90 days of the incident on which the grievance is based; or after the student knew or should have known of the basis for the grievance, whichever is later. The grievance complaint must be filed whether or not the student has already initiated efforts at informal resolution, if the student wishes the grievance to become official. Failure to file a formal complaint within such ninety (90) day period constitutes waiver of the student’s right to appeal.

a. Filing Complaint

The complaint must include the following:

- The exact nature of the complaint (grounds).
- The specific details of the complaint (e.g., chronology of the event and an explicit description of the alleged violation).
- A description of the informal meeting and attempted resolution, if any.
- The specific resolution/remedy sought.

Complaint should be filed with Vice President of Student Services.

b. Meeting with Vice President of Student Services (or designee)

The Vice President of Student Services (or designee) shall provide to the person against whom the grievance has been filed a copy of the grievance and a copy of the procedure.

The Vice President of Student Services (or designee) will provide the grievant with a written copy of the policy and procedures and answer all questions regarding the policy including the student’s rights and responsibilities in the process of filing a grievance. For academic (grade) grievance, the Vice President of Student Services (or designee) will inform the student that a grade change may only be made where there is a finding of fraud, mistake, bad faith or incompetence.

The student and Vice President of Student Services (or designee) shall attempt to reach an informal resolution.

c. Request for Grievance Hearing

If an informal resolution cannot be reached, the Vice President of Student Services (or designee) shall make a request for records and documents from the student filing the complaint and forward copies of all documents pertinent to the alleged violation to the Chair of the Grievance Committee and the parties. Documents or accusations not specifically related to the alleged violations shall not be forwarded to the committee or the parties.

1. For academic (grade) grievance, the Chair shall request records and documents from the faculty member against whom the complaint has been filed.

2. For grievance based on an alleged violation of law, policy, and procedures, the Chair shall request records and documents from the party against whom the complaint has been filed.

d. Grievance Hearing Committee

Within 90 calendar days following receipt of the grievance complaint form, the Grievance Hearing Committee shall conduct a hearing. The following College Grievance Committee members shall be appointed for a term of one academic year as follows:

- The Vice President of Instruction, who shall Chair the committee;
One faculty member (and one alternate) jointly appointed by the PFT and the Faculty Senate;

One administrator (and one alternate) appointed by the College President;

One student (and one alternate) appointed by the President of the Associated Students.

Additional committee member:

- For academic (grade) grievances, one faculty member (and one alternate) jointly appointed by the PFT and the Faculty Senate; or
- For other grievances, one classified employee (and one alternate) jointly appointed by Local 790 and the Classified Senate.

A committee member shall withdraw from participation in the hearing if a conflict of interest is anticipated, in which case the alternate member shall serve. The members of the Committee shall be provided with a copy of the grievance and any written response provided by the respondent before the hearing begins. Four-fifths of the members of the committee shall be present in order for the committee to act.

e. Hearing Procedure

1. The Vice President of Instruction, as Chair, shall provide written notice, including the date, time and place of the hearing to both parties at least ten days prior to the hearing. The notice shall be hand-delivered or sent by certified mail and shall include a copy of the complaint.

2. The Chair shall provide the involved complainant with a written summary of rights he/she may be entitled to by law or contract at least 10 days before the hearing. For academic (grade) grievance, the Chair of the committee shall provide the involved faculty member with a written summary of rights he/she may be entitled to by law or contract at least 10 days before the hearing. Both parties shall be given adequate time (at least 10 days) to read and review all documents, consistent with privacy laws. This right may be waived by either party. Both parties shall be informed that all relevant evidence presented to the hearing committee, whether written or oral, may be used against them in this or any other proceeding unless otherwise prohibited by law. The written notice shall inform the parties of this fact. The Chair of the committee shall inform both parties orally of this fact at the commencement of the hearing.

3. The decision of the Chair shall be final on all matters relating to the conduct of the hearing unless there is a vote by a majority of the other members of the panel to the contrary. The Chair may do whatever is necessary, so long as it is legally permissible, to ensure that the hearing is conducted in a fair, dignified and orderly manner.

4. The Chair of the committee may exclude a witness from the hearing when the witness is not giving testimony.

5. Anyone who disrupts the proceeding or interferes shall be excluded from the proceeding.

6. All information derived from the complaint is confidential. Information may not be made public nor discussed with anyone except those with a legitimate need to know.

7. The hearing shall be open only to persons directly involved in the matters to be heard. The bargaining agent representing the respondent may send an observer to any hearing.

8. The committee may call in “expert witnesses” if the subject of the grievance is beyond their expertise.

9. The committee shall inform the witnesses (other than the accused) in writing that they are sought for interview purposes and their participation in the process is requested by the committee. Witnesses shall also be informed as to the purpose of the interview, the general subject of the interview, and their right to request representation by anyone of their choosing prior to and during said interview.

10. Any member of the committee may ask questions of any witness.

11. The hearing shall be conducted so as to bring all of the relevant information and evidence to the members of the committee in an orderly and intelligible form. Formal rules of evidence shall not apply. Any relevant evidence shall be admitted, if it is the sort of evidence on which responsible persons are accustomed to rely upon in the conduct of serious affairs. Accusations not specifically related to the alleged violation shall not be considered relevant. The rules of privilege shall apply to the same extent that they are recognized in civil actions.

12. At all steps of the process, both the student filing and the other party have the right to be accompanied,
advised and represented by a person or counsel of their choosing. If either party wishes to be represented by an attorney, a request must be presented not less than 10 days prior to the date of the hearing. If the student is permitted to be represented by an attorney, the college representative may request legal assistance. The hearing committee may also request legal assistance; any legal advisor provided to the panel may sit with it in an advisory capacity to provide legal counsel but shall not be a member of the panel nor vote with it.

13. If the respondent or his/her representative, or both, are absent from all or a part of the hearing, the committee shall make its recommendations on the basis of whatever evidence is submitted before the hearing and on whatever evidence and testimony is presented to the committee during the hearing.

14. The committee shall make all evidence, written or oral, part of the record.

15. The committee shall judge the relevancy and weight of testimony and evidence and make its findings of fact, limiting its investigation to the formal charge. The decision shall be based only on the record of the hearing, and not on matters outside of that record.

16. The burden shall be on the grievant to prove by a preponderance of the evidence that the facts alleged are true and a grievance has been sufficiently established.

17. The hearing date may be postponed or continued at the discretion of the Chair of the committee. Both parties shall be given notice of the new or continued hearing date.

18. The votes of the majority of the members present (at least 3 votes) are necessary in order for the committee to make a recommendation to the Vice President of Student Services.

19. The Chair of the committee shall notify the Vice President of Student Services of the committee’s recommendation within 10 days.

20. A summary record of the proceedings held in a closed session shall be kept in a confidential file by the Vice President of Student Services and shall be available at all times to the accused person. The Vice President of Student Services has the responsibility to ensure that a proper record is maintained and available at all times.

f. Final Decision by Vice President of Student Services

Based on the grievance hearing committee’s recommendations, the Vice President of Student Services (or designee) may accept the recommendation, return it to the committee for further review, or reject it. Within 10 days of receipt of the committee’s recommendation, the Vice President of Student Services (or designee) shall send written notification to the parties and committee informing them of:

- The committee’s recommendation;
- The final decision by Vice President of Student Services; and
- Appeals procedure.

Any decision to reject findings of the committee must be supported by a summary finding of fact. The decision to recommend a grade change must be supported by a summary finding of fact, establishing mistake, fraud, bad faith or incompetence.

3. Appeals

a. President’s Decision

The Vice President of Student Services’ (or designee’s) decision may be appealed by either party in writing within 10 days of the Vice President of Student Services’ (or designee’s) decision.

The College President shall issue a written decision to the parties and their representatives within ten (10) school days of receipt of the appeal. A decision to change a grade must be supported by a summary finding of fact, establishing mistake, fraud, bad faith or incompetence.

b. Chancellor’s Decision

The College President’s decision may be appealed to the Chancellor in writing within 10 days of receipt of the decision.

The Chancellor, or designee, shall issue a written decision to the parties and the representatives by certified mail within 10 days of the receipt of the decision. A decision to change a grade must be supported by a summary
finding of fact, establishing mistake, fraud, bad faith or incompetence.

c. Board of Trustees’ Decision

The Chancellor’s (or designee’s), decision may be appealed to the Board of Trustees in writing within 10 days of the receipt of the decision.

The Board will review the documentation of the prior steps of the case and determine whether to confirm the Chancellor’s decision or hear the appeal. If the Board confirms the Chancellor’s decision, the appellant has exhausted his or her remedies. If the Board decides to consider the appeal, it will do so in closed session subject to Education Code 72122, and will issue a final decision within forty-five (45) school days after receipt of the decision.

A decision to change a grade must be supported by a summary finding of fact, establishing mistake, fraud, bad faith or incompetence. Implementation of any grade change shall be held in abeyance until the internal appeal process has been exhausted.

All recommendations, resolutions, and actions taken by the Board of Trustees shall be consistent with the State and Federal law, the Peralta Community College District Policies and Procedures, and the PFT and Local 790 Collective Bargaining Agreements. (In the event of a conflict between the Collective Bargaining Agreement and the PCCD Policies and Procedures, the Collective Bargaining Agreement shall govern.)

4. Time Limits

Any times specified in these procedures may be shortened or lengthened if there is mutual concurrence by all parties.

III. STUDENT CONDUCT, DISCIPLINE, AND DUE PROCESS RIGHTS

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

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

A student excluded for disciplinary reasons from one college in the Peralta Community College District may be denied enrollment into other colleges in the District, depending on the specific form of discipline. The President of a college may also deny admission to a student suspended or excluded for disciplinary reasons from other colleges or universities.

A. STUDENT CODE OF CONDUCT

Students are responsible for complying with all college regulations and for maintaining appropriate course requirements as established by the instructors.

Disciplinary action may be imposed on a student for violation of college rules and regulations, the California Education Code, California Penal Code, and the California Administrative Code. Student misconduct may result in disciplinary action by the college and prosecution by civil authorities. Misconduct that may result in disciplinary action includes, but is not limited to, the following violations:

1. Violation of District policies or regulations including parking and traffic regulations (subject to Education Code Section 76036), policies regulating student
DISTRIBUTION AND COLLEGE POLICIES

organizations, and time, place and manner regulations in regard to public expression.

2. Willful misconduct which results in injury or death of any person on college-owned or -controlled property, or college-sponsored or supervised functions; or causing, attempting to cause, or threatening to cause physical injury to another person.

3. Conduct which results in cutting, defacing, damaging, or other injury to any real or personal property owned by the college or to private property on campus.

4. Stealing or attempting to steal college property or private property on campus; or knowingly receiving stolen college property or private property on campus.

5. Unauthorized entry to or use of college facilities.

6. Committing or attempting to commit robbery or extortion.

7. Dishonesty such as cheating, plagiarism (including plagiarism in a student publication), forgery, alteration or misuse of college documents, records, or identification documents, or furnishing false information to the college.

8. The use, sale, or possession on campus of, or presence on campus under the influence of, any controlled substance, or any poison classified as such by Schedule D in Section 4160 of the Business and Professions Code or any controlled substance listed in California Health and Safety Code Section 11053 et seq., an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5.

9. Possession, sale or otherwise furnishing any firearm, knife, explosive or other dangerous object, including but not limited to any facsimile firearm, knife or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from an authorized college employee.

10. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the governing board.

11. Lewd, indecent, or obscene conduct or expression on college-owned or -controlled property, or at college-sponsored or supervised functions; or engaging in libelous or slanderous expression; or expression or conduct which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or substantial disruption of the orderly operation of the college.

12. Disruptive or insulting behavior, willful disobedience, habitual profanity or vulgarity; or the open and persistent defiance of the authority of, refusal to comply with directions of, or persistent abuse of, college employees in the performance of their duty on or near the school premises or public sidewalks adjacent to school premises.

13. Obstruction or disruption of teaching, research, administrative procedures or other college activities.

14. Committing sexual harassment as defined by law or by college policies and procedures; or engaging in harassing or discriminatory behavior based on race, sex, religion, age, national origin, disability, or any other status protected by law.

15. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.

In accordance with Education Code Section 76234, the results of any disciplinary action or appeal in connection with any alleged sexual assault, physical abuse or threat of the same shall be made available within 3 school days of the results, to the alleged victim, who shall keep such information confidential.

B. FORMS OF DISCIPLINE

Students facing disciplinary action are subject to any of the following actions:

Written or verbal reprimand: An admonition to the student to cease and desist from conduct determined to violate the Code of Student Conduct. Written reprimands may become part of a student’s permanent record at the college. A record of the fact that a verbal reprimand has been given may become part of a student’s record at the college for a period of up to one year.

Probation: A period of time specified for observing and evaluating a student’s conduct, with or without special conditions. Probation will be imposed for a specific period of time; the student is considered removed from probation when the period expires. Violation of any conditions
during the period of probation may be cause for further disciplinary action.

Loss of Privileges and Exclusion from Activities: Exclusion from participation in designated privileges and extracurricular activities for a specified period of time. Violation of any conditions or Code of Student Conduct during the period of sanction may be cause for further disciplinary action.

Educational Sanction: Work, research projects, counseling, or community service projects may be assigned. Violation of any requirements of assignment or Code of Student Conduct during the period of sanction may be cause for further disciplinary action.

Treatment Requirement: Require enrollment in anger management, drug and alcohol rehabilitation treatment. Such requirement must receive prior approval from the Vice President of Student Services (or designee).

Group Sanction: Sanctions for the misconduct of groups or organizations may include temporary or permanent revocation or denial of group registration as well as other appropriate sanctions.

Removal from Class: Exclusion of the student by an instructor for the day of the removal and the next class meeting. Instructor must immediately report the removal to the Vice President of Student Services (or designee).

Exclusion from Areas of the College: Exclusion of a student from specified areas of the campus. Violation of the conditions of exclusion or Code of Student Conduct during the period of exclusion may be cause for further disciplinary action.

Withdrawal of Consent to Remain on Campus: Withdrawal of consent by the Campus Police for any person to remain on campus in accordance with California Penal Code Section 626.4/626.6 where the Campus Police has reasonable cause to believe that such person has willfully disrupted the orderly operation of the campus. Any person as to whom consent to remain on campus has been withdrawn who knowingly reenters the campus during the period in which consent has been withdrawn, except to come for a meeting or hearing, is subject to arrest.

Short-term Suspension: Exclusion of the student by the President (or designee) for good cause from one or more classes for a period of up to ten consecutive days of instruction.

Long-term Suspension: Exclusion of the student by the President (or designee) for good cause from one or more classes for the remainder of the school term or school year, or from all classes and activities of the college and District for one or more terms.

Expulsion: Exclusion of the student by the Board of Trustees from all colleges in the District.

Disciplinary action may be imposed on a student by:
1. A college faculty member who may place a student on probation or remove the student from class and/or a college activity for the remainder of that class/activity period.
2. The President (or designee) who may impose any form of discipline, including summarily suspending a student when deemed necessary for the welfare and safety of the college community.
3. The President who may recommend “expulsion” to the Board of Trustees.
4. The Board of Trustees who may terminate a student’s privilege to attend any college of the District.

C. DUE PROCESS RIGHTS FOR SUSPENSIONS AND EXPULSIONS

Definitions

Student: Any person currently enrolled as a student at any college or in any program offered by Peralta Community College District.

Faculty Member: Any instructor (an academic employee of the District in whose class a student subject to discipline is enrolled), counselor, librarian, or any academic employee who is providing services to the student.

Day: A day during which the District is in session and regular classes are held, excluding Saturdays, Sundays, and District holidays.

Written Notice/Written Decision: Notice sent by personal
service or by registered or certified mail with return receipt requested via the United States Postal Service.

**Short-term Suspensions, Long-term Suspensions, and Expulsions**

Before any disciplinary action to suspend or expel is taken against a student, the following procedures will apply:

**Notice**: The Vice President of Student Services (or designee) will provide the student with written notice of the conduct warranting the discipline. The written notice will include the following:

a. The specific section of the Code of Student Conduct that the student is accused of violating.

b. A short statement of the facts (such as the date, time, and location) supporting the accusation.

c. The right of the student to meet with the Vice President of Student Services (or designee) to discuss the accusation, or to respond in writing.

d. The nature of the discipline that is being considered.

**Time limits**: The notice must be provided to the student within 5 days of the date on which the conduct took place or became known to the Vice President of Student Services (or designee); in the case of continuous, repeated or ongoing conduct, the notice must be provided within 5 days of the date on which conduct occurred or became known to the Vice President of Student Services (or designee) which led to the decision to take disciplinary action.

**Conference Meeting**: A student charged with misconduct must meet with the Vice President of Student Services (or designee) for a conference regarding the basis of the charge and the possible disciplinary action that may arise as a consequence. If the student fails to respond within 5 days after receipt of the written notice, the Vice President may proceed on the assumption that the charge(s) is (are) valid.

The conference with the Vice President of Student Services (or designee) will be for the purpose of:

a. Reviewing the written statement of the charge(s) as presented to the student;

b. Providing a reasonable opportunity at the meeting for the student to answer the charge(s) verbally or in writing to the accusation;

c. Informing the student in writing of possible disciplinary action that might be taken;

d. Presenting to the student the College Due Process Procedures.

One of the following scenarios will occur:

a. The matter is dismissed, in which case no public record of this incident shall be retained; however, an annual confidential report is required to be submitted to the Peralta Board of Trustees.

b. A disciplinary action is imposed, and the student accepts the disciplinary action.

c. A disciplinary action is imposed, and the decision of the Vice President of Student Services (or designee) is final due to the form of the discipline.

d. A disciplinary action of a long-term suspension is imposed and the student does not accept the long-term suspension. The student must file at the Office of the President a written notice of intent to appeal to the Student Disciplinary Hearing Panel within 5 days of the written decision from the Vice President of Student Services (or designee).

e. A recommendation for expulsion is made by the Vice President of Student Services (or designee) to the College President.

**Short-term Suspension**

Within 5 days after the meeting described above, the Vice President of Student Services (or designee) shall decide whether to impose a short-term suspension, whether to impose some lesser disciplinary action, or whether to end the matter. Written notice of the Vice President of Student Services’ (or designee’s) decision shall be provided to the student. The written notice will include the length of time of the suspension, or the nature of the lesser disciplinary action. The Vice President of Student Services’ (or designee) decision on a short-term suspension shall be final.

**Long-term Suspension**

Within 5 days after the meeting described above, the Vice President of Student Services (or designee) may decide to impose a long-term suspension. Written notice of the Vice
President of Student Services’ (or designee) decision shall be provided to the student. The written notice will include the right of the student to request a formal hearing and a copy of the College Student Discipline (Due Process) Procedures describing the procedures for a hearing.

**Expulsion**

Within 5 days after the meeting described above, the Vice President of Student Services (or designee) may decide to recommend expulsion to the President. The Student Disciplinary Hearing Panel shall be convened to provide a recommendation to the President. The President shall then decide whether to make a recommendation of expulsion to the Chancellor and Board of Trustees. Written notice of the President’s (or designee) decision to recommend expulsion shall be provided to the student. The written notice will include the right of the student to a formal hearing with the Board of Trustees before expulsion is imposed, and a copy of the College Student Discipline (Due Process) Procedures describing the procedures for a hearing.

**Hearing Procedures**

**Request for Hearing:** Within 5 days after receipt of the Vice President of Student Services’ (or designee’s) decision regarding a long-term suspension, the student may request a formal hearing. The request must be made in writing to the President (or designee). Any charge(s) to which the student does not respond shall be deemed valid.

Any recommendation for expulsion by the Vice President of Student Services (or designee) shall be automatically reviewed by the Student Disciplinary Hearing Panel.

**Schedule of Hearing:** The formal hearing shall be held within 10 calendar days after a written request for hearing is received. Student’s failure to confirm attendance at hearing or failure to appear at the hearing without reasonable cause constitutes waiver of the student’s right to appeal.

**Student Disciplinary Hearing Panel:** The hearing panel for any disciplinary action shall be composed of one faculty (selected by the President of the Faculty Senate), one administrator (selected by the President of the College) and one student (selected by the Associated Students).

The President (or designee), at the beginning of the academic year, will establish the panel, along with alternates. The chair of the committee will be appointed by the President.

**Hearing Panel Chair:** The President (or designee) shall appoint one member of the panel to serve as the chair. The decision of the hearing panel chair shall be final on all matters relating to the conduct of the hearing unless there is a vote by two other members of the panel to the contrary.

**Conduct of the Hearing:**

The members of the hearing panel shall be provided with a copy of the accusation against the student and any written response provided by the student before the hearing begins.

The facts supporting the accusation shall be presented by a college representative who shall be the Vice President of Student Services.

The college representative and the student may call witnesses and introduce oral and written testimony relevant to the issues of the matter.

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

Unless the hearing panel determines to proceed otherwise, the college representative and the student shall each be permitted to make an opening statement. Thereafter, the college representative shall make the first presentation, followed by the student. The college representative may present rebuttal evidence after the student completes his or her evidence. The burden shall be on the college representative to prove by substantial evidence that the facts alleged are true.

The student may represent himself or herself, and may also have the right to be represented by a person of his or her choice, except that the student shall not be represented by an attorney unless, in the judgment of the hearing panel, complex legal issues are involved. If the student
wishes to be represented by an attorney, a request must be presented not less than 5 days prior to the date of the hearing. If the student is permitted to be represented by an attorney, the college representative may request legal assistance. The hearing panel may also request legal assistance; any legal advisor provided to the panel may sit with it in an advisory capacity to provide legal counsel but shall not be a member of the panel nor vote with it.

Hearings shall be closed and confidential unless the student requests that it be open to the public. Any such request must be made no less than 5 days prior to the date of the hearing.

In a closed hearing, witnesses shall not be present at the hearing when not testifying, unless all parties and the panel agree to the contrary.

The hearing shall be recorded by the District either by tape recording or stenographic recording, and shall be the only recording made. No witness who refuses to be recorded may be permitted to give testimony. In the event the recording is by tape recording, the hearing panel chair shall, at the beginning of the hearing, ask each person present to identify himself or herself by name, and thereafter shall ask witnesses to identify themselves by name. Tape recording shall remain in the custody of the District at all times, unless released to a professional transcribing service. The student may request a copy of the tape recording.

All testimony shall be taken under oath; the oath shall be administered by the hearing panel chair. Written statements of witnesses under penalty of perjury shall not be used unless the witness is unavailable to testify. A witness who refuses to be tape-recorded is not unavailable.

Within 10 days following the close of the hearing, the hearing panel shall prepare and send to the President (or designee) a written recommendation regarding the disciplinary action to be imposed, if any. The recommendation shall include specific factual findings regarding the accusation, and shall include specific conclusions regarding whether any specific section of the Standards of Student Conduct were violated. The decision shall be based only on the record of the hearing, and not on matters outside of that record. The record consists of the original accusation, the written response, if any, of the student, and the oral and written evidence produced at the hearing.

President’s (or designee’s) Decision:

Long-term suspension: Within 5 days following receipt of the hearing panel’s recommendation, the President (or designee) shall render a final written decision based on the recommendations of the hearing panel and the Vice President of Student Services (or designee). If the President (or designee) modifies or rejects the hearing panel’s recommendation, the President shall review the record of the hearing, and shall prepare a written decision that contains specific factual findings and conclusions. The decision of the President (or designee) shall be final.

Expulsion: Within 5 days following receipt of the hearing panel’s recommendation, the President (or designee) shall render a written decision either to recommend expulsion or to impose a lesser form of discipline. If the President (or designee) modifies or rejects the hearing panel’s decision, he or she shall review the record of the hearing, and shall prepare a written decision that contains specific factual findings and conclusions. If the President (or designee) decides to recommend expulsion, such recommendation shall be forwarded to the Chancellor and Board of Trustees.

Chancellor’s Decision:
A student may, within 10 days of the President’s decision to impose long-term suspension or to recommend expulsion, appeal the decision in writing to the Chancellor. For long-term suspensions, the Chancellor (or designee) shall issue a written decision to the parties and the representatives within ten days of the receipt of the President’s decision. For expulsions, the Chancellor shall forward the President’s recommendation to the Board of Trustees within 10 days and provide an independent opinion as to whether he or she also recommends expulsion.

Board of Trustees’ Decision:
The Chancellor’s (or designee’s) decision regarding long-term suspension may be appealed to the Board of Trustees within 10 days of receipt of the Chancellor’s decision.
The Board of Trustees shall consider any recommendation from the President for expulsion at the next regularly scheduled meeting of the Board after receipt of the recommended decision.

The Board shall consider an expulsion recommendation in closed session, unless the student has requested that the matter be considered in a public meeting in accordance with these procedures. (Education Code Section 72122)

The student shall receive written notice at least three days prior to the meeting of the date, time, and place of the Board’s meeting.

The student may, within 48 hours after receipt of the notice, request that the hearing be held as a public meeting.

Even if a student has requested that the Board consider an expulsion recommendation in a public meeting, the Board will hold any discussion that might be in conflict with the right to privacy of any student other than the student requesting the public meeting in closed session.

The Board may accept, modify or reject the findings, decisions and recommendations of the President (or designee) and Chancellor (or designee). If the Board modifies or rejects the decision, the Board shall review the record of the hearing, and shall prepare a written decision that contains specific factual findings and conclusions. The decision of the Board shall be final.

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

Time Limits:
Any times specified in these procedures may be shortened or lengthened if there is mutual concurrence by all parties.

Student Grievance:
Students who believe that they have been improperly subjected to any of the disciplinary measures stated in this policy may file a Student Grievance with the Vice President of Student Services in accordance with Board Policy 4.43.

IV. ACADEMIC ACCOMMODATIONS POLICY AND PROCEDURES

A. ACADEMIC ACCOMMODATIONS POLICY FOR STUDENTS WITH DISABILITIES

The Peralta Community College District, as a group of public institutions of higher education and vocational training, commits itself to a policy of equal opportunity and nondiscrimination for students with disabilities. It is the policy of the District to accommodate requests involving academic adjustments consistent with local, state, and federal laws and regulations.

In the case of a dispute involving the student’s request for academic accommodations or a student’s inquiry regarding the District’s compliance with applicable laws and regulations, the Vice President of Student Services reviews the case and makes an interim decision pending resolution through the grievance procedure, Board Policy 4.43. The finding of the grievance committee may be appealed directly to the District Equal Opportunity Officer. (BP 5.24)

B. ACADEMIC ACCOMMODATION PROCEDURES FOR STUDENTS WITH DISABILITIES—IMPLEMENTING PROCEDURES FOR BOARD POLICY 5.24

Pursuant to Section 504 of the Rehabilitation Act of 1973, Title 5, Section 56027, and Board Policy 5.24, the Peralta Community College District has developed the following procedures to respond in a timely manner to requests by students with disabilities for academic accommodations. Pursuant to Title 5, Sections 56000-56088, the District has developed Disabled Student Programs and Services (DSP&S) at each college to assist students with disabilities in securing appropriate instruction, academic accommodations and auxiliary aids.

The goal of all academic accommodations and auxiliary aids is to minimize the effects of the disability on the educational process. The student with a disability shall be given the opportunity both to acquire information and to be evaluated in a way that allows the student to fully
demonstrate his/her knowledge of the subject. The goal is to maintain academic standards by giving the student assignments that are comparable in content, complexity, and quantity.

1. **Process to Request Services**

When a student requests disability-related services, the student’s disability is verified by the DSP&S professional according to state-mandated criteria. If the student is deemed ineligible for services and wishes to appeal this decision, he/she will follow the District Student Grievance Procedure. Concurrently, the college ADA Coordinator will review the case and make an interim decision pending resolution through the student grievance procedure. The finding of the grievance committee may be appealed directly to the District Equal Opportunity Officer.

The DSP&S professional, in consultation with the student, determines educational limitations based on the disability and authorizes the use of any appropriate auxiliary aids and/or academic accommodations. These may include but are not limited to:

a. Auxiliary aids such as a tape recorder, assistive listening device, calculator, computer, taped text or spelling checker used in the classroom and/or in completing class assignments.

b. The use in the classroom of a reader, American Sign Language interpreter, note taker, or scribe, or real-time captioner for students who are deaf or hard of hearing or the presence of guide dogs, mobility assistants, or attendants in the classroom.

c. Testing accommodations such as extended time for test taking and distraction-free test setting.

d. Extending the length of time permitted for course or degree requirements and flexibility in the manner in which specific course content is obtained.

e. Substitution for specific courses required for the completion of general education degree requirements, or substitutions or waivers of major or certificate requirements.

f. Access to Alternate Media such as Braille, large print, video captioning.

g. With the consent of the student, instructors are informed of authorized auxiliary aids and academic accommodations. It is the responsibility of the instructor to allow auxiliary aids to be used in the classroom or to coordinate with the DSP&S professional for the delivery of academic accommodations. It is the responsibility of the DSP&S professional to make arrangements for and facilitate the delivery of academic accommodations with the disabled student in coordination with faculty, as appropriate. The DSP&S professional will assist with providing the appropriate accommodations and appropriate follow-up for DSP&S students. An example of appropriate follow-up might be a DSP&S Counselor contacting an instructor and DSP&S student to inquire about the effectiveness of an accommodation.

2. **Grievance Procedures**

If a student is denied academic accommodations or the use of auxiliary aids by an instructor and wishes to appeal, she/he should contact the DSP&S professional to schedule a meeting with the instructor to discuss and resolve the issue. The student may invite the DSP&S professional (i.e., a DSP&S Coordinator, Counselor, Instructor, Acquired Brain Injury (ABI) Specialist, Learning Disability (LD) Specialist etc.) to attend this meeting. In the case where an unresolved issue becomes a dispute (i.e., an issue that is not resolved informally between the student and the instructor with the assistance of the DSP&S professional), the student may file a complaint through the District Student Grievance Procedure. Concurrently, the college ADA Coordinator or designee will review the case and make an interim decision pending resolution through the student grievance procedure. If the issue is still not resolved, the student may appeal directly to the District Equal Opportunity Officer.

3. **Meeting General Education Degree Requirements**

When the severity of the disability of an otherwise qualified student precludes successful completion of a course required for graduation from a college within the Peralta Community College District, despite an earnest effort on the part of the student to complete the course or its prerequisite—if appropriate for the disability as determined by a qualified DSP&S Specialist—and despite the provision of academic adjustments and/or auxiliary
aids, the student may request a substitution of the course as an alternative method of meeting general education degree requirements. The Evaluation Team will consist of the DSPS Coordinator, the Department chair or instructor from the discipline of the course or major for which a substitution is being requested, and the appropriate Dean of Instruction. The team may consult, as appropriate, with DSPS professionals, Associate Vice Chancellor for Admissions and Records and Student Services, and the college Vice President of Instruction in order to make a decision. In assessing requests, the Evaluation Team should consider the anticipated exit skills from the course that can be substituted for comparable exit skills in another course. These comparable skills may be found in a discipline different from the discipline of the original course.

4. Meeting Major or Certificate Requirements

The process for evaluating requests for major or certificate requirements is the same as stated in the section above except that the student may request a substitution or a waiver of the course as an alternative method of meeting major or certificate requirements.

A course substitution maintains the standards of academic rigor of degree programs because the student is required to demonstrate comparable skills. Therefore, requesting a course substitution is the preferred option to meet general education degree requirements. For major or certificate course requirements, course substitutions and/or waivers may be considered.

Course substitutions are applicable for Peralta Community College District and may not be recognized by a transfer college.

5. Evaluation of Substitution/Waiver Request

a. Documentation

The student will complete the Request for Change of Graduation Requirements Form (available in the DSPS office) and submit it to the DSPS professional with the following attachments:

1. PETITION for Substitution/Waiver (obtained from the Admissions Office).

2. LETTER (written by the student) addressing the criteria listed in Part B.

3. EVIDENCE FROM THE DSP&S PROFESSIONAL (DSP&S Coordinator, Counselor, Instructor, Acquired Brain Injury (ABI) Specialist, Learning Disability (LD) Specialist, etc.) verifying the disability and how it relates to the student’s request.

4. DOCUMENTATION of the student’s academic record, the degree requirements for graduation and information about the course in question regarding whether or not it is essential to the student’s course of study, major, transfer goals and/or employment goals as appropriate.

5. ADDITIONAL SUPPORTING DOCUMENTATION can be provided by students.

b. Evaluation of Request

The DSP&S professional will review all documents, outline evidence of the use of all appropriate and available services and academic adjustments and indicate that, according to CRITERIA listed below, that the request is appropriate. The DSP&S professional then signs the Request for Change of Graduation Requirements Form and forwards the packet to the DSP&S Coordinator, who will convene an Evaluation Team.

The Evaluation Team consists of the DSP&S Coordinator, the Department Chair (or an Instructor) from the discipline of the course or major for which a substitution is being requested and the Dean of Instruction with responsibility for the Division, which includes the discipline of the course substitution. The Evaluation Team meeting is to be chaired by the Dean of Instruction and should consult with the Associate Vice Chancellor for Admissions and Records and Student Services, DSP&S professionals, and the College Vice President of Instruction as appropriate.

The Evaluation Team will assess student requests based on the following criteria:

- Documentation of the student’s disability with specific test scores, when appropriate, and a description of educationally-related functional limitations in the academic area under discussion.

- Evidence of the student’s earnest efforts to meet the graduation requirement, which may include: Consistent and persistent efforts in attempting to
meet all graduation requirements. Evidence that the student has attempted to take the course in question or its prerequisite with accommodations and has been unable to successfully complete course requirements. Regular attendance (i.e., meeting the attendance requirements of the course); completion of all course assignments. Use of all appropriate and available services such as tutorial assistance or instructional support classes. Use of all appropriate and available academic accommodations such as test accommodations. Agreement among the student, DSPS Counselor and the appropriate Disabilities Specialist that, due to the severity of the disability, the student would not be able to successfully complete the course requirements, even with accommodations. Evidence that the student is otherwise qualified such as:

- The student’s success in completing other course work requirements for the degree/certificate as indicated by a grade point average of 2.0 or greater in degree applicable classes.
- Information about the course in question regarding whether or not it is essential to the student’s Course of Study, Major, Transfer Goals or Employment Goals.
- Information about alternatives to the course in question based on the learning/academic goals of that course.

6. **Meeting General Education Degree Requirements**

The Evaluation Team’s decision will be made by majority vote. If the Team recommends a course substitution, the Team will request the department\(^1\) to provide a list of previously identified appropriate course substitutions. If the department cannot identify an appropriate course substitution or if the Team concludes that a substitute course is inappropriate due to the severity of the disability, as documented by the Verification of Disability and Educational Limitations Form, then the College Vice President of Instruction and the Associate Vice Chancellor for Admissions and Records and Student Services shall be included in the evaluation process to assist with the identification of an appropriate course substitution. To approve recommendations for course substitutions, the Evaluation Team will forward its recommendation to the Vice President of Instruction and then to the Associate Vice Chancellor for Admissions and Records and Student Services. The District Office of Admissions and Records will verify, implement and notify the student.

7. **Meeting Major/Certificate Requirements**

The process for evaluating requests for major/certificate requirements is the same as those stated above except that the student may request a substitution or a waiver of a course as an alternative method of meeting major or certificate requirements.

8. **Grievance Procedure**

If the student is dissatisfied with the decision of the Evaluation Team, she/he may follow the Student Grievance Procedure. The finding of the grievance committee may be appealed directly to the District Equal Opportunity Officer. Students can obtain the assistance of the District Equal Opportunity Office at any point during this process.

\(^1\) DSP&S professional, as defined pursuant to Title 5 Sections 56006, 56048, 56060, 56064 and 56066, is the professional authorized to make these determinations.

\(^2\) When a student completes a comparable course as established by an Evaluation Team.

\(^3\) That is, the department in which the student is asking for the course substitution. The departments of the Colleges must go through the normal curriculum process in determining these appropriate course substitutions.
OTHER DISTRICT/COLLEGE POLICIES

ANIMALS ON CAMPUS

Students are urged not to bring animals on campus. Animals running loose or left tied on campus will be impounded in accordance with sections 3-9.16 and 3-9.17 of the Oakland Municipal Code. Seeing-eye dogs are an exception.

PRESERVING A DRUG-FREE CAMPUS

It is the policy of the Peralta Community College District to maintain a campus where students are prohibited from the unlawful manufacture, distribution, dispensing, possession or use of controlled substances as listed in Schedules I through IV of Section 202 of the Controlled Substances Act (21 U.S.C. Section 812) and from abuse of alcohol.

For purposes of this policy, campus shall mean those places where a student is engaged in an authorized college activity. The campus includes property owned or leased by the District; property used by the District for student participation in field trips, field study, athletic competition or study travel programs; District or private vehicles while being used for official District business.

All students are required to comply with this policy to remain in good standing and as a condition of continued attendance in any of the District’s colleges. Any violation of this policy will be cause for disciplinary action against the student, up to and including expulsion, and/or may require the student to participate satisfactorily in a substance abuse assistance or rehabilitation program. Student discipline shall be accomplished in accordance with the provisions of Article 3 of Title 3, Division 7, Part 47, of the California Education Code.

Any student who needs information about substance abuse treatment may consult a counselor, who can provide the student with information about available treatment resources. The District does not provide substance abuse treatment.
Requirements for graduation with an Associate Degree are prescribed by the State Chancellor’s Office and the Board of Trustees of the Peralta Colleges. It is the student’s responsibility to file all transcripts of previous college work and to file a “Petition for an Associate Degree” by the deadline date during the semester in which he/she plans to complete the requirements. See the College Calendars in the General Information section of the Catalog or in the Class Schedules for deadline dates.

The student with a specific educational objective may follow the appropriate curriculum patterns outlined in the Curriculum Patterns and Courses section. Each pattern is designed for preparation for an occupational field and/or enrollment at a four-year institution. Although the information is in most cases current, the student is cautioned to check with a counselor for changes. It is the responsibility of the student to monitor progress toward individual educational goals.

CATALOG RIGHTS

Students completing the requirements for the Associate degree, Certificate of Achievement, or Certificate of Proficiency have catalog rights. A student’s catalog rights are defined as maintaining enrollment in at least one semester per academic year, excluding summer session and intersessions (continuing enrollment), in any of the four Peralta Colleges. A student’s catalog rights include:

1. The regulations in effect at the time the student entered the college, provided the student has been in continuing enrollment until the requirements for the Degree/Certificate are completed; OR
2. The regulations current at the time the student re-enters the major program and remains in continuing enrollment until the requirements for the Degree/Certificate are completed; OR
3. The regulations current at the time the student files and receives the Degree/Certificate.

Note: The “withdrawal” symbol (W) constitutes enrollment.

THE ASSOCIATE DEGREE

The Associate Degree signifies successful completion of a program of organized study and learning experiences designed to impart knowledge and to develop skills, appreciations, attitudes, and values which will be useful to its recipients and to the society in which they live.

The student is encouraged to fulfill the requirements for an Associate Degree. Degrees are conferred at the end of the academic term. The student who wishes to transfer may, by careful planning, simultaneously complete Associate Degree and transfer requirements. The degree, however, is not required for transfer, nor does it automatically entitle the student to advanced standing at a four-year institution.

A student may apply for an additional Associate Degree for another major. In this case, previously completed acceptable courses may be counted towards the degree; however, the student must fulfill all current major, General Education, and other degree requirements.

REQUIREMENTS FOR THE ASSOCIATE DEGREE

1. At least 60 degree-applicable semester units completed which includes courses in the Major or Area of Emphasis, General Education courses, and electives, if necessary.
2. An overall grade-point average of at least 2.0 (“C”).
3. At least 12 units of the 60 units completed at Merritt College. Note: Degree requirements completed at another Peralta College will be accepted by Merritt College; however, a minimum of 12 units must be completed at Merritt College.
4. General Education Requirements:
   a. A minimum of 19 units with at least a 2.0 (“C”) average. Choices should be made from the Merritt College General Education Course List.
   b. A "C" or better is required in each course in General Education Areas 4a and 4b (English composition and Mathematics areas) in addition to a "C" average for all General Education courses.
DEGREES AND MAJORS

c. General Education courses completed at another Peralta College will be accepted by Merritt College.

5. Major or Area of Emphasis Requirements: At least 18 units with a grade of “C” or better in each course in the major or area of emphasis.

   Note: The number of units varies for the majors or areas of emphasis; however, a minimum grade of “C” is required in each course.

GENERAL EDUCATION REQUIREMENTS

AREA ONE: NATURAL SCIENCES

   One course with a minimum of 3 semester units from the following is required:

   ANTHR: 1
   ASTR: 1, 10
   BIOL: 1A, 1B, 2, 3, 4, 5¹, 9, 10, 13, 15, 20A, 20B, 23, 24, 25, 29, 36
   CHEM: 1A, 1B, 12A, 12B, 30A, 30B
   GEOG: 1
   GEOL: 1, 12
   LANHT: 1, 1E, 15¹
   PHYS: 2A, 2B, 4A, 4B, 4C, 10
   ¹Biol 5 is the same as Lanht 15; maximum credit: one course.

AREA TWO: SOCIAL AND BEHAVIORAL SCIENCES

   One course with a minimum of 3 semester units from the following is required:

   ADJUS: 21, 22, 25, 63
   AFRAM: 2², 5², 8², 10², 12², 13², 14A², 14B², 16², 19², 25², 27³, 30³, 31³, 32³, 33³, 38³, 45³
   ANTHR: 2, 3, 4, 5³, 7³, 8³, 13, 16, 18, 30⁴
   ASAME: 19⁴, 30⁴, 32⁴, 45A⁴, 45B⁴
   BUS: 5, 52
   CHDEV: 50, 51, 53, 56A, 57A
   COMM: 6*, 10*, 13*, 18, 19, 22
   COSER: 10, 24, 29*
   COUN: 30, 230
   ECON: 1, 2
   EDUC: 1
   ENGL: 38*
   ENVMT: 2, 12*, 13, 15, 19², 27
   ENVS³: 76A-D³, 4², 78A³, 4², 78B³, 4²
   GEOG: 2
   HLTED: 1
   HIST: 2A, 2B, 7A, 7B, 15, 19*
   HUSV: 53
   M/LAT: 6*, 12*, 19*, 23*
   NATAM: 19*, 76A-D³, 4², 78A³, 4², 78B³, 4²
   POSCI: 1, 2, 3, 4, 5*, 16
   PSYCH: 1A, 1B, 3, 6, 10, 12, 19², 24, 33
   SOC: 1, 2, 3, 5*

   ¹Afram 19 is the same as Asame 19, M/Lat 6, and Natam 19; maximum credit: one course.
   ²Envmt 19 is the same as Psych 19; maximum credit: one course.
   ³Envst 76A-D, 78A and 78B are the same as Natam 76A-D, 78A and 78B, respectively; maximum credit: one course.
   ⁴Each course must be taken for a minimum of 3 units to satisfy Area 2 requirements.
   ⁵M/Lat 19 is the same as Hist 17 at BCC, COA, and Laney; maximum credit: one course.
   ⁶Afram 38 is the same as Envmt 12; maximum credit: one course.

AREA THREE: HUMANITIES

   One course with a minimum of 3 semester units from the following is required:

   AFRAM: 25*, 27*, 28*, 41*, 42*, 43*, 45*
   ANTHR: 7*, 8*
   ART: 1, 4, 9, 12, 15*
   ASAME: 1, 30*
   CHIN: 1, 2
   HUMAN: 2
   LANHT: 55
   M/LAT: 28*, 30A*, 30B*
   MUSIC: 9, 10, 11, 15A*, 19
   PHIL: 1, 2, 10
   SPAN: 1A, 1B, 2A, 2B, 22A, 22B, 31A, 31B, 38, 40

   ¹Afram 28 is the same as M/Lat 28; maximum credit: one course.
DEGREES AND MAJORS

AREA FOUR: LANGUAGE AND RATIONALITY

One course must be completed in each sub-area (a, b, c, d):

a. **English Composition:** One course with a minimum of 3 semester units and a grade of "C" or better from the following:
   ENGL: 1A*, 1B*, 5*, 100*

b. **Mathematics:** One course with a minimum of 3 semester units and a grade of "C" or better from the following:
   MATH: 1, 2, 3A, 3B, 3C, 3D, 13, 15, 16A, 16B, 50, 202, 203
   1Math 3D is equivalent to Math 3E plus 3F at BCC, COA, and Laney.

c. **Computer Literacy:** One course with a minimum of one (1) semester unit from the following:
   BUS: 244A, 244C
   CIS: All courses with a minimum value of one unit and numbered 1 through 248, except 211 (Laney).
   LRNRE: 211
   RLEST: 20
   **Note:** Students may be able to satisfy the computer literacy requirement by passing a proficiency exam. See a counselor for more information.

d. **Oral and Written Communications, or Literature:** One course with a minimum of 3 semester units from the following:
   AFRAM: 41*, 42*, 43*
   COMM: 4, 6*, 10*, 20, 45
   COSER: 16A
   ENGL: All courses numbered 1 through 247*, except 48s, 49s, 202, 205, 206A, 206B, and 208.
   ESL: 21A, 21B
   **Note:** Courses followed by an asterisk (*) are listed in more than one area but may not be counted in more than one area, with the exception of courses listed in Area 5 above (see footnote number 7).

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AREA FIVE: ETHNIC STUDIES

One course with a minimum of 3 semester units from the following is required:

ANTHR: 5*
ART: 15*
ASAME: 19*, 30*, 32*, 45A*, 45B*
COMM: 13*
COSER: 29*
ENGL: 38*
ENVMT: 12*
ENVST: 76A-D, 78A, 78B
HIST: 19*
MUSIC: 15A*
NATAM: 19*, 76A-D, 78A, 78B
POSCI: 5*
SOC: 5*

1Afram 19 is the same as Asame 19, M/Lat 6, and Natam 19; maximum credit: one course.
2Afram 28 is the same as M/Lat 28; maximum credit: one course.
3Envst 76A-D, 78A and 78B are the same as Natam 76A-D, 78A and 78B, respectively; maximum credit: one course.
4Each course must be taken for a minimum of 3 units to satisfy Area 5 requirements.
5M/Lat 19 is the same as Hist 17 at BCC, COA, and Laney; maximum credit: one course.
6Afram 38 is the same as Envmt 12; maximum credit: one course.
7**Note:** Any course listed in Area 5 that is also listed in another area may be used to satisfy both areas. However, the units are only counted once.

**Important Notes:**

1. Some majors include courses that appear on the Merritt College General Education Course List. The courses may be used to meet both the major and the General Education requirements provided that the total is 37 or more units. A course may be used **one time for the major** and **one time only for the General Education requirements**, even though
the course may be listed in several category areas. While a course might satisfy more than one General Education requirement, it may NOT be counted in more than one area (see exception for Ethnic Studies, Area 5).

2. Out-of-district and/or out-of-state courses will be individually evaluated through the Counseling Office to determine if they fulfill the Merritt College General Education requirements. For information regarding this process, students should contact the Counseling Office, Room R109.

MAJORS AND AREAS OF EMPHASIS

For specific courses required for each major or area of emphasis, see the listings under the individual department headings in this catalog. All majors or areas of emphasis require a minimum of 18 units in the degree field, plus units in General Education courses for the awarding of any Associate degree (see General Education Requirements listed on the preceding pages of the Catalog). The degrees and certificates awarded by Merritt College are listed below. An Associate in Arts degree is indicated by "AA," an Associate in Science degree is indicated by "AS," a Certificate of Achievement is indicated by "CA," and a Certificate of Proficiency is indicated by "CP" in the following list.

ASSOCIATE DEGREES AND CERTIFICATES

Administration of Justice:
- Corrections AA CA
- Police Science AA CA
African-American Studies AA
Anthropology AA
Business:
- Accounting AA CA
- Administrative Assistant AA CA
- Administrative Office Systems and Applications AA
- Business Administration AA
- Business Information Processing AA CA
- Business Management CA
- General Business AA
Legal Office Assistant CP
Office Administrator CP
Retail Clerk CP
Child Development:
- Assistant Teacher CP
- Associate Teacher CP
- Early Intervention CP
- Teacher CA
- Violence Intervention and Counseling CP
Communication*
Community Social Services:
- Substance Abuse AA CA
Computer Information Systems:
- Internet Programming CP
- PC Applications Help Desk Specialist CP
- Web Page Authoring CP
- Web Publishing CP
Economics AA
Emergency Medical Technician I CP
English:
- Language Arts AA
Environmental Management and Technology*:
- Environmental Management and Technology AS CA
- Ecological Restoration and Watershed Management AS CA
- Ecological Restoration and Watershed Management CP
- Green Building and Energy Management AS CA
Human Ecology, Policy, Planning and Environmental Justice AA CA
Ranger/Naturalist Outdoor Education AS CA
Urban Farming and Agro Ecology AS CA
Health Professions and Occupations:
- Healthcare Interpreter CP
Health Sciences AS
Humanities AA
Human Services CP
Landscape Horticulture:
- Basic Landscape Horticulture CA
- Intermediate Landscape Design and Construction CA
- Intermediate Landscape and Parks Maintenance CA
- Intermediate Nursery Management CA
- Landscape Design and Construction Specialist AS CA
**DEGREES AND MAJORS**

Landscape and Parks Maintenance Specialist  AS CA
Nursery Management Specialist  AS CA
Liberal Arts with Emphasis in Arts and Humanities  AA
Liberal Arts with Emphasis in Cross-Cultural Studies  AA
Mathematics  AS
Natural Sciences  AS
Nursing (Associate Degree)  AS
Nutrition and Dietetics:
  Dietary Assistant  CP
  Dietary Manager (Dietetic Service Supervisor)  CA
  Dietetic Technology  AS
  Pathway II Certificate**  CP
Paralegal Studies  AA CA
Radiologic Science**  AS CA
Real Estate  AA CA
Social and Behavioral Sciences  AA
Spanish  AA
Vocational Nursing  AS CA

*State approval pending.
**The Certificate is available only to those already awarded the AS degree.

**CERTIFICATE OF ACHIEVEMENT**

Certificates of Achievement are available in all of the above programs where a “CA” is indicated. The Certificate of Achievement is granted in those programs for which 18 or more units are required in the major (or for certain programs of 12-17.5 units for which state approval has been granted). The student may petition the Admissions and Records Office for the Certificate of Achievement upon completion of all the requirements specified for the Certificate (see requirements under the specific department headings). A grade of “C” or better is required in each course in the major. **The Certificate of Achievement is indicated on the student’s transcript.**

Occupational programs are designed for preparation for both entry-level positions and for in-service training for persons already employed. Information sheets, which include degree opportunities, are available from the Counseling Department.

**CERTIFICATE OF PROFICIENCY**

A Certificate of Proficiency is granted in certain programs for which up to and including 17.5 units are required. A grade of "C" or better is required in each course. These programs do not qualify for the Certificate of Achievement. **The Certificate of Proficiency is not indicated on the student's transcript.**

Certificates of Proficiency are awarded for the following:
- Assistant Teacher
- Associate Teacher
- Dietary Assistant
- Early Intervention
- Ecological Restoration and Watershed Management
- Emergency Medical Technician I
- Healthcare Interpreter
- Human Services
- Internet Programming
- Legal Office Assistant
- Office Administrator
- Pathway II Certificate (Nutrition & Dietetics)
- PC Applications Help Desk Specialist
- Retail Clerk
- Violence Intervention and Counseling
- Web Page Authoring
- Web Publishing
DEGREES AND MAJORS

VOCATIONAL/TECHNICAL
PROGRAMS OFFERED AT THE
PERALTA COLLEGES

Berkeley City College
American Sign Language
Biotechnology
Business:
  Accounting
  Business Administration
  General Business
  Business–Office Technology
  Office Technology–Administrative Assistant
  Office Technology–Administrative Assistant/ Medical
  Office Technology–Administrative/Accounting Assistant
Computer Information Systems:
  Applied Microcomputer Information Systems
  Computer Programming*
  Network Support Technician*
  Web Programming
International Trade*
Multimedia Arts:
  Animation
  Digital Imaging
  Digital Video Arts
  Web Design and Production
  Writing for Multimedia
Social Services Paraprofessional
Travel/Tourism Industry:
  Adventure Travel
  Air Travel
  Cruise Industry
  Group Travel
  Inbound Travel
  Entry & Professional Levels
*Note: These programs are undergoing revision and are not currently being offered.

College of Alameda
Apparel Design and Merchandising
Auto Body and Paint:
  Auto Body
  Auto Paint
Automotive Technology:
  Engine Performance
  Chassis and Drivetrain
  Chassis Specialist
  Engine Repair Specialist
  Automotive Electronics Specialist
  Drivetrain Specialist
  Light-Duty Auto Repair
Aviation Maintenance Technology:
  Airframe
  Powerplant
Business:
  Accounting
  Business Administration
  General Office Clerk
  Legal Secretarial Studies
  Office Administration
  Office Administration for the Logistics Industry
  Small Business Administration
  Word Processor
Computer Information Systems:
  Computer Applications–Weekend Computer College
  Desktop Support Technician
  Networking Administration
  Programming
  Web Publishing
Dental Assisting
Diesel Mechanics

Laney College
Architectural and Engineering Technology:
  Architectural Technology
  Engineering Technology
Banking and Finance
Biomanufacturing
  Fast-Track Biomanufacturing
Business:
  Accounting
  Banking and Finance
  Business Administration
  Business Information Systems
  Entrepreneurship
  Management and Supervision
  Marketing and Sales
  Retail Management
Carpentry
Computer Information Systems:
  Computer Programming
DEGREES AND MAJORS

Computer Programming Information Specialist
Computer System/Software Security and Encryption
Game Development and Programming
Internet Development and Programming
Construction Management

Cosmetology

Culinary Arts:
  Baking and Pastry
  Restaurant Management
  Cooking

Environmental Control Technology:
  Commercial HVAC Systems
  Residential and Light Commercial HVAC & Refrigeration Technology

Graphic Arts:
  Applied Graphic Design/Digital Imaging

Labor Studies

Machine Technology

Management and Supervision

Media Communications:
  Performance and Production for Video, Broadcast and Digital Cinematography
  Video Production for Video, Broadcast and Digital Cinematography

Photography

Welding Technology

Wood Technology

Merritt College

Administration of Justice:
  Corrections
  Police Science

Business:
  Accounting
  Administrative Assistant
  Administrative Office Systems and Applications
  Business Administration
  Business Information Processing
  Business Management
  General Business
  Legal Office Assistant
  Office Administrator
  Retail Clerk

Child Development:
  Assistant Teacher
  Associate Teacher

Early Intervention
  Teacher
  Violence Intervention and Counseling

Community Social Services:
  Community Social Services
  Substance Abuse

Computer Information Systems:
  Internet Programming
  PC Applications Help Desk Specialist
  Web Page Authoring
  Web Publishing

Emergency Medical Technician I

Environmental Management and Technology:
  Environmental Management and Technology
  Ecological Restoration and Watershed Management
  Green Building and Energy Management
  Human Ecology, Policy, Planning and Environmental Justice
  Ranger/Naturalist Outdoor Education
  Urban Farming and Agro Ecology

Fire Science (no formal award)

Health Professions and Occupations:
  Healthcare Interpreter

Human Services

Landscape Horticulture:
  Basic Landscape Horticulture
  Intermediate Landscape Design and Construction
  Intermediate Landscape and Parks Maintenance
  Intermediate Nursery Management
  Landscape Design and Construction Specialist
  Landscape and Parks Maintenance Specialist
  Nursery Management Specialist

Medical Assisting (no formal award)

Nursing (Associate Degree)

Nutrition and Dietetics:
  Dietary Assistant
  Dietary Manager (Dietetic Service Supervisor)
  Dietetic Technology
  Pathway II Certificate

Paralegal Studies

Radiologic Science

Real Estate

Vocational Nursing
Merritt College students have the opportunity of transferring to a variety of public and private four-year colleges and universities. In California students may transfer to a college or university in the University of California system, California State University System, or various private universities and colleges. Transfer students should be aware of both the entrance requirements and graduation requirements of the university or college they wish to attend. Part of the Merritt College curriculum is designed to prepare students to transfer to four-year colleges or universities by providing instruction in General Education course work and preparatory courses for specific four-year majors.

Students should choose, as soon as possible, the particular college or university they wish to attend after Merritt College and the specific major area they wish to pursue. The counseling staff is available to assist students in making these important decisions. The following information will assist in describing some of the general requirements which a student can complete at Merritt College prior to transferring.

**PREPARING TO TRANSFER**

Merritt College offers transfer-level classes for many majors, along with all their lower division General Education course work. Steps to prepare for transferring include:

1. Determining educational and/or career goals.
2. Reviewing college and university catalogs available in the Library or Transfer Center and carefully choosing a school which offers your chosen major.
3. Selecting courses from the General Education list and other courses required for the major at the chosen college or university.

**INFORMATION ON CONCURRENT ENROLLMENT**

Merritt College has agreements with California State University at East Bay, Holy Names College, Mills College, and the University of California at Berkeley which provide that Merritt students who meet the required eligibility guidelines may concurrently enroll in course work at their institutions. For further information regarding eligibility guidelines and participation in the program, students should contact the Transfer Center located in Building R, Room 105.

**TRANSFER CENTER**

The Merritt College Transfer Center is the college’s clearing house for transfer activities and programs and serves as the link between Merritt and California’s four-year colleges and universities. The Transfer Center links Merritt College with ten University of California campuses, twenty-three California State University campuses, historically Black colleges and universities, and many other independent colleges and universities located throughout the state.

One major focus of the Transfer Center is to provide services to facilitate the transfer of underrepresented groups to four-year institutions. The State Chancellor’s Office has determined that the following groups are underrepresented: Native Americans, African-Americans, Chicano/Latinos, and the physically disabled. Although the primary focus is on underrepresented students, the Transfer Center has a strong commitment to serving all Merritt College students. The Center offers the following services:

1. Personalized contact with representatives for local four-year institutions;
2. Resource library of college catalogs, directories, publications, and online web sites;
3. A monthly calendar of transfer activities and events;
4. Scholarship information;
5. Applications to CSU and UC;
6. Workshops in a variety of areas, including admissions, General Education evaluations, etc.
TRANSFER TO FOUR-YEAR COLLEGES AND UNIVERSITIES

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

The Intersegmental General Education Transfer Curriculum (IGETC) is a series of courses that community college students can use to satisfy lower-division General Education requirements at any CSU or UC campus. The IGETC guidelines are subject to change, as breadth requirements change periodically. For the most current approved course listing, please contact the Counseling Office.

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC) LIST 2009-10

THIS INFORMATION IS SUBJECT TO CHANGE. SEE A COUNSELOR EACH SEMESTER TO STAY CURRENT.

CAUTION: IGETC may not be the best option for transfer, particularly for majors such as Engineering, Computer Science, Biology, and Business. See a Counselor for more information.

GENERAL EDUCATION: Completion of IGETC satisfies all lower-division general education requirements at most CSU and UC campuses, and at some Independent Colleges and Universities. It is not an admission requirement nor is it the only way to fulfill lower division General Education requirements.

CERTIFICATION: Merritt College can provide full certification (completion of requirements in every area) or partial certification (completion of requirements in one or more areas). All courses MUST be completed with a grade of "C" or better. Students should request General Education certification when asking that their transcript be sent to the UC or CSU campus of their choice during the final term before transfer. See a Counselor for more information.

NOTE: Courses with an asterisk (*) are listed in more than one area but may not be counted in more than one area.

AREA 1: ENGLISH COMMUNICATION

UC requires two courses, one from Group A and one from Group B. CSU requires three courses, one from Group A, one from Group B, and one from Group C.

Group A: English Composition
One course (3 semester or 4-5 quarter units), from:
ENGL: 1A

Group B: Critical Thinking-English Composition
One course (3 semester or 4-5 quarter units), from:
ENGL: 5

Group C: Oral Communication (CSU only)
One course (3 semester or 4-5 quarter units), from:
COMM: 4, 20, 45

AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

One course (3 semester or 4-5 quarter units), from:
MATH: 1, 2, 3A, 3B, 3C, 3D, 13, 16A, 16B

AREA 3: ARTS AND HUMANITIES

At least three courses (9 semester or 12-15 quarter units), with one course from Arts (3A), one course from Humanities (3B), and one course from either Arts or Humanities.

A. Arts
ART: 1, 4, 9, 12, 15
ASAME: 1
MUSIC: 9, 10, 11, 15A, 19

B. Humanities
ASAME: 30*, 45A*, 45B*
CHIN: 2
ENGL: 1B, 17A, 30A, 30B, 32A, 32B, 38*, 43
HIST: 2A*, 2B*, 7A*, 7B*, 15*, 19*
HUMAN: 2
M/LAT: 28*, 30A, 30B
PHIL: 1, 2
TRANSFER TO FOUR-YEAR COLLEGES AND UNIVERSITIES

SPAN: 1B, 2A, 2B, 22B, 38, 40

1AFRAM 28 is the same as M/LAT 28; maximum credit: one course.

AREA 4: SOCIAL AND BEHAVIORAL SCIENCES

At least three courses (9 semester or 12-15 quarter units), from the following. Courses must come from at least two disciplines.

ADJUS: 21, 22, 63
AFRAM: 5, 8, 10, 12, 13, 16, 19, 25*, 27*, 30*, 31*, 32*, 33, 38*, 45
ANTHR: 2, 3, 4, 5, 7, 8, 13, 16, 18
ASAME: 19*, 30*, 32, 45A*, 45B*
CHDEV: 51
COMM: 6, 10, 13, 18, 22
COSER: 10, 24
ECON: 1, 2
ENGL: 38*
ENVMT: 2, 12*, 13, 15, 19*, 27
GEOG: 2
HIST: 2A*, 2B*, 7A*, 7B*, 15*, 19*
M/LAT: 6*, 12, 19, 23
NATAM: 19
POSCI: 1, 2, 3, 4
PSYCH: 1A, 1B, 3, 6, 10, 12, 19, 24
SOC: 1, 2, 3
1AFRAM 19 is the same as ASAME 19, M/LAT 6, & NATAM 19; maximum credit: one course.
2AFRAM 38 is the same as ENVMT 12; maximum credit: one course.
3ENVMT 19 is the same as PSYCH 19; maximum credit: one course.

AREA 5: PHYSICAL SCIENCES AND BIOLOGICAL SCIENCES

At least two courses (7-9 semester or 9-12 quarter units), with one course from Physical Science and one course from Biological Science; one course must include a lab. Lab courses are shown with (L).

A. Physical Sciences
One course from:
ASTR: 1 (add ASTR 20 to clear lab requirement)
10 (add ASTR 20 to clear lab requirement)

CHEM: 1A(L), 1B(L), 12A(L), 12B(L), 30A(L), 30B(L)
GEOG: 1 (add GEOG 1L to clear lab requirement)
GEOL: 1(L), 12
PHYS: 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10

B. Biological Sciences
One course from:
ANTHR: 1 (add ANTHR 1L to clear lab requirement)
BIOL: 1A(L), 1B(L), 2(L), 3(L), 4(L), 5(L)*, 9(L), 10(L), 13 (add BIOL 13L or ENVMT 2L to clear lab requirement), 15, 20A(L), 20B(L), 23, 24(L), 25, 36 (L)
LANHT: 15(L)*
1BIOL 5 is the same as LANHT 15; maximum credit: one course.

C. Laboratory Activity
One course shown with (L) in Areas 5A or 5B above.

LANGUAGE OTHER THAN ENGLISH (LOTE) (UC Requirement Only)

Proficiency must be demonstrated as follows:
1. Completion of 1 course (4-5 semester units) at a college or university, with a grade of “C” or better, that is considered equivalent to 2 years of high school language. See below for approved Merritt College courses; OR
2. Completion of 2 years of high school coursework in one LOTE with “C-” or better (with official transcript); OR
3. Satisfactory score on the College Board Subject Test (formerly SAT II) in a LOTE (see a counselor for scores); OR
4. Score of 3 or better on the College Board Advanced Placement Exam in a LOTE; OR
5. Score of 5 or better on the International Baccalaureate Higher Level Exam in a LOTE; OR
6. Satisfactory score on a proficiency test given by a community college, university or other college in a LOTE; OR
7. Completion of two years of formal schooling at the sixth grade level or higher, with grades of “C” or better, in an institution where the language of instruction is not English (appropriate documentation must be presented).
TRANSFER TO FOUR-YEAR COLLEGES AND UNIVERSITIES

Proficiency may met by:
1. One Merritt College course from the following:
   CHIN 1, SPAN 1A, or SPAN 22A.
   NOTE: Courses above the proficiency level (1, 1A or 22A) may be used to meet this requirement and may also be used to clear another IGETC area.
2. Course from another institution.
3. Course completed in high school or an institution where language of instruction is not English.

U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS (CSU Graduation Requirement)

One course from each group below.

Group 1
AFRAM: 30¹, 31¹
HIST: 7A, 7B, 15

Group 2
POSCI: 1², 5

Group 3
POSCI: 1², 16

¹AFRAM 30 and 31 are not acceptable if taken either Fall 2004 or Spring 2005.
²POSCI 1 may be double-counted in Group 2 and Group 3; units are only counted once.

NOTE: Courses used to meet this requirement may also be counted in either Areas 3B or 4 (at the option of the receiving campus; check with Admissions at the receiving campus to confirm). However, the units are only counted once.

UNIVERSITY OF CALIFORNIA SYSTEM

The University of California system is composed of ten campuses extending from Davis in the north to San Diego in the south. Its faculty numbers over 9,000 and its enrollment more than 150,000 students. Each campus is distinctive with its own characteristics. In selecting a campus, the student must thoroughly explore all the options available to determine which campus seems the best choice. The ten campuses are located in Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco, Santa Barbara, and Santa Cruz.

All campuses (except the San Francisco Medical School, which offers graduate and professional programs in the health sciences) follow similar entrance requirements and use a common application form. However, individual campuses may impose additional entrance criteria for impacted majors and programs. Consult with the university catalog or a member of the Merritt College counseling staff in the Counseling Office or the Career and Transfer Center for specific information.

The University of California campuses offer a variety of programs in support of transfer admission, particularly for community college students. Under some programs, students at certain community colleges are guaranteed admission to a University of California campus if they meet specific requirements. Other programs provide extensive academic and admission support services to transfer applicants, but do not guarantee admission. These programs are described below.

BERKELEY COOPERATIVE ADMISSION PROGRAM (CAP)

The Cooperative Admissions Program (CAP) gives students the opportunity to combine lower-division study at a community college with a guarantee of admission to Berkeley as a junior. The program is specifically for students who apply to Berkeley for freshman admission, are UC eligible (meet the minimum admission requirements for freshmen), but are not admitted as freshmen. Four colleges at Berkeley participate in CAP: Letters and Science, Environmental Design, Engineering, and Natural Resources. Each college has specific requirements, described below, for students who wish to be admitted through CAP.

College of Letters and Science: All UC-eligible freshmen applicants to the College of Letters and Science who are not admitted may gain admission to the College through CAP if they meet the following requirements while attending a participating community college. Students
must complete a minimum of 60 transferable semester units — including the College’s Essential Skills (Reading and Composition, Foreign Language, and Quantitative Reasoning) and Seven-Course Breadth Requirements, and prerequisites in the major, if appropriate — and earn a GPA of at least 2.8. Admission is guaranteed only to majors which are not impacted.

**College of Environmental Design:** The faculty of the College of Environmental Design select the freshmen applicants who are offered the CAP option. Students must complete a minimum of 60 semester units with a GPA of at least 3.0. Courses completed must include prerequisites for the intended major.

**College of Engineering:** The CAP option is available only to select freshmen applicants to the Electrical Engineering/Computer Science program. Students must complete a minimum of 60 semester units, including the lower-division prerequisites, and earn a GPA of at least 3.5.

**College of Natural Resources:** All UC-eligible freshmen applicants to the College who are not admitted will be eligible to participate. Students will be required to complete a minimum of 60 semester units and earn a GPA of at least 2.8.

**IMPACTED PROGRAMS**

At every college and university some majors receive more applications than the number of students they can accept. When this happens, these majors are declared to be impacted or over-subscribed. To be admitted into such programs, students may need to meet special requirements, such as:

1. Taking specific courses,
2. Accumulating a specific number of college units,
3. Earning a specific minimum grade point average,
4. Passing campus or national examinations,
5. Meeting advance application deadlines,
6. Participating in interviews or special evaluations.

The list of impacted programs may vary from year to year as majors are added and deleted frequently. Also, a major impacted at one campus may be open at another; therefore, students should consult a Merritt College counselor to receive updated information about impacted majors.

**TRANSFER ADMISSIONS REQUIREMENTS**

The University of California admission requirements for transfer students vary according to the student's eligibility to enroll at UC when the student graduated from high school. Furthermore, a student wishing to enroll in an oversubscribed and/or upper-division major must meet additional admission requirements.

**HIGH SCHOOL PROFICIENCY EXAMINATION**

If a student does not have a high school diploma, the University will accept the Certificate of Proficiency awarded by the State Board of Education upon successful completion of the California High School Proficiency Examination. The University also will accept proficiency examinations from other states, and the General Education Development (GED) Certificate, in place of a diploma. However, a student must still meet the Subject, Scholarship, and Examination Requirements.

**GENERAL REQUIREMENTS**

Students who met the Scholarship Requirement but did not satisfy the Subject Requirement must take transferable college courses in the subjects they are missing, earn a grade of "C" or better in each of these required courses, and earn an overall "C" (2.0) average in all transferable college coursework to be eligible to transfer. Students who met the Scholarship Requirement but did not meet the Examination Requirement must complete a minimum of 12 semester units of transferable work and earn an overall "C" (2.0) average in all transferable college coursework completed.

Students who were not eligible for admission to the University when they graduated from high school because they did not meet the Scholarship Requirement must:
TRANSFER TO FOUR-YEAR COLLEGES AND UNIVERSITIES

1. Complete 60 semester units of transferable college credit with a grade-point average of at least 2.4; and
2. Complete a course-pattern requirement to include:
   a. Two transferable college courses (3 semester units each) in English composition; and
   b. One transferable college course (3 semester units) in Mathematical Concepts and Quantitative Reasoning; and
   c. Four transferable college courses (3 semester units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, the physical and biological sciences.

REQUIREMENTS FOR NONRESIDENTS

The minimum admission requirements for nonresident transfer applicants are the same as those for residents, except that non-residents must have a grade-point average of 2.8 or higher in all transferable college coursework.

GENERAL EDUCATION/BREADTH REQUIREMENTS

The general education/breadth requirements are designed to give University undergraduates a broad background in all major academic areas: life sciences, physical sciences, social sciences, humanities, and fine arts. The general education/breadth requirements specify the courses that students must take or credit hours they must accumulate in each area.

Each school and college at every UC campus has its own set of requirements. They are described in the campus catalogs and articulation agreements. With careful planning, the student can meet many of the requirements while attending Merritt College. At some campuses and in some majors, transfer students must fulfill all or a portion of the general education/breadth requirements before transferring.

Since 1991, transfer applicants can satisfy the general education requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC). Students should consult their counselor for information pertaining to restrictions.

UNIVERSITY REQUIREMENTS FOR THE BACCALAUREATE DEGREE

There are two requirements which all undergraduate students at the University must satisfy in order to graduate:

1. American History and Institutions
   Each campus of the University of California determines the way in which this requirement can be met for that campus. Students should consult the catalog for the University of California campus to which they plan to transfer, or see a counselor.

2. Subject A
   Each campus of the University of California determines the way in which this requirement can be met for that campus. Students should consult the catalog for the University of California campus to which they plan to transfer, or see a counselor.

UNIVERSITY OF CALIFORNIA, BERKELEY CAMPUS

College of Letters and Science: Breadth Requirements

The Berkeley campus of the University of California is on the semester system. Transfer students with 60 or more transferable semester units who are admitted to the College of Letters and Science must have satisfied the Essential Skills in: (1) reading and composition, (2) foreign language, and (3) quantitative reasoning, prior to admission. Also, the breadth requirement for courses outside the field of the major is required of all junior transfers. Students should make every effort to complete as many of the seven requirements as possible.

Information on the current breadth requirements and the listing of Merritt College courses that are approved for meeting the breadth requirements are available in the Counseling Office and the Transfer Center. This list is subject to revision; it is updated periodically.
CALIFORNIA STATE UNIVERSITY SYSTEM

The California State University System is composed of 23 campuses, over 350,000 students, and 19,000 faculty. Campuses are located throughout the state; from Arcata, near the Oregon border, to San Diego, near the Mexican border. Campus enrollments range from 3,100 students at the smallest (California State College, Bakersfield) to 31,500 at the largest (California State College, Long Beach). The 23 campuses are situated in the following locations: Bakersfield, Channel Islands, Chico, Dominguez Hills, Fresno, Fullerton, East Bay, Humboldt, Long Beach, Los Angeles, Maritime Academy, Monterey Bay, Northridge, Pomona, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo, San Marcos, Sonoma, and Stanislaus.

TRANSFER ADMISSIONS REQUIREMENTS

All campuses follow similar admission requirements and use a common application form. Students will qualify for admission as a transfer student if they have a grade-point average of 2.0 ("C") or better in all transferable units attempted; are in good standing at the last college or university attended; and meet any of the following standards:

1. Were eligible as a freshman at the time of application for admission or at the time of graduation from high school, provided they have been in continuous attendance at a college since graduation; or
2. Were eligible as a freshman except for the college preparatory subject requirements and have completed appropriate college courses in the missing subjects; or
3. Have completed at least 60 transferable semester units and have completed appropriate college courses to make up any missing college preparatory subjects (nonresidents must have a 2.4 grade-point average or better).

A maximum of 70 transferable semester (105 quarter) units earned in a community college may be transferred to a California State University. No upper-division credit is allowed for courses taken in a community college.

Consult with the Counseling Office or any CSU Admissions Office for further information about alternative ways to satisfy the subject requirements. Merritt College counselors will provide assistance to determine which Merritt courses satisfy the CSU lower-division General Education requirements.

Note: Refer to the CSU application for the Freshman Eligibility and Subject Requirements.

Several specific majors, such as business, computer science, engineering, and nursing may expect additional entrance requirements. For specific eligibility information, consult the catalog for the four-year university or see a counselor.

MAKING UP MISSING COLLEGE PREPARATORY SUBJECT REQUIREMENTS

1. Undergraduate transfer applicants who did not complete the subject requirements while in secondary school may make up missing subjects in any of the following ways:
a. Complete appropriate courses in college with a “C” or better (one course of three semester or four quarter units will be considered equivalent to one year of high school study); or
b. Earn acceptable scores on specified examinations.

2. Transfer applicants with 56 or more semester units, or 84 or more quarter units, can satisfy the preparatory subject requirements by completing, with a “C” or better, one of the following alternatives:
a. 1987 or earlier high school graduates: Meeting the eligibility requirements listed for lower-division transfer, or successful completion of written communication and mathematics courses on the approved CSU list of transferable General Education courses.
b. 1988 and later high school graduates: Meeting
TRANSFER TO FOUR-YEAR COLLEGES AND UNIVERSITIES

the eligibility requirements listed for lower-division transfer, or successful completion of 30 semester or 45 quarter units of General Education courses, to include all of Area A and the Mathematics requirement on the CSU General Education Certification List.

All transfer applicants with 56 or more transferable semester units must complete all CSU General Education requirements in the Communication area (Area A1, 2, and 3) and in Mathematics (Area B4).

UNITED STATES HISTORY, CONSTITUTION, AND AMERICAN IDEALS CERTIFICATION

Students must complete one course from each group below to be certified that the requirements in U.S. History, Constitution, and American Ideals have been met.

Group 1
AFRAM: 30, 31
HIST: 7A, 7B, 15

Group 2
POSCI: 1, 5

Group 3
POSCI: 1, 16

1AFRAM 30 and 31 are not acceptable if taken either Fall 2004 or Spring 2005.
2POSCI 1 may be double-counted in Group 2 and Group 3; units are only counted once.

NOTE: Courses taken to satisfy this requirement may also be used to satisfy another general education area (at the option of the receiving campus; check with Admissions at the receiving campus to confirm). However, the units are only counted once.

GENERAL EDUCATION CERTIFICATION AND COURSE REQUIREMENTS FOR CALIFORNIA STATE UNIVERSITIES

Merritt College (Peralta Community College District) may certify to a California State University completion of 39 units of lower-division General Education requirements when the student completes the acceptable courses. The listing of courses that can be used toward meeting these requirements is available in the Counseling Office and the Transfer Center. This listing is subject to change.

A total of 48 units is required to meet the General Education requirements for the California State University System. The additional nine (9) required units must be upper-division courses and must be completed after the student transfers to a CSU campus.

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH REQUIREMENTS LIST 2009-10

THIS INFORMATION IS SUBJECT TO CHANGE. SEE A COUNSELOR EACH SEMESTER TO STAY CURRENT.

CSU UPPER DIVISION (JUNIOR) TRANSFER REQUIREMENTS:

1. Complete a minimum of 60 transferable semester units with an overall grade point average of “C” (2.0). Non-residents and those with an F-1 visa need at least a 2.4 GPA.

2. Complete at least 30 of those units from the G.E. courses listed below, including all of Area A and Area B4 (Math) with grades of “C” or better. NOTE: For some campuses, you may not complete Areas A and B4 during your last semester before enrollment.

3. Preferred completion of all lower-division major prerequisites (required by most impacted majors).

4. No more than 70 semester/105 quarter units are transferable to the CSU system.

CERTIFICATION OF GENERAL EDUCATION (CERTIFICATION MAY BE DONE ONE TIME ONLY): Merritt College can provide full certification (completion of requirements in every area) or partial certification (completion of requirements in one or more areas). Students should request G.E. certification when asking that their transcript be sent to the CSU of their choice during the final term before transfer.
TRANSFER TO FOUR-YEAR COLLEGES AND UNIVERSITIES

IGETC: CSU lower-division G.E. requirements may also be met by completing the Intersegmental General Education Transfer Curriculum (IGETC). However, certain restrictions may apply and IGETC is not recommended for all majors. See a Counselor for more information.

NOTE: Courses with an asterisk (*) are listed in more than one area but may not be counted in more than one area.

AREA A: ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING

Three courses, minimum of 9 semester (12-15 quarter) units, with at least one course each from Oral Communication (A1), Written Communication (A2), and Critical Thinking (A3), with a grade of "C" or better.

A1. Oral Communication
COMM: 4, 20, 45

A2. Written Communication
ENGL: 1A

A3. Critical Thinking
ENGL: 5
PHIL: 10

AREA B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING

Three courses, for a minimum of 9 semester (12-15 quarter) units, with at least one course each from Physical Sciences (B1), Life Sciences (B2), Laboratory Activity (B3), and Math/Quantitative Reasoning (B4). One of the two science courses from B1 or B2 must include a lab. Lab courses are shown with (L).

B1. Physical Sciences
At least one course from the following:
ASTR: 1, 10, 11A
CHEM: 1A(L), 1B(L), 12A(L), 12B(L), 30A(L), 30B(L)
GEOG: 1*
GEOL: 1(L), 12
PHYS: 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10

B2. Life Sciences
At least one course from the following:
ANTHR: 1
BIOL: 1A(L), 1B(L), 2(L), 3(L), 4(L), 5(L)¹, 9(L), 10(L),
13, 15, 20A(L), 20B(L), 23, 24(L), 25, 29, 36(L)
LANHT: 15(L)¹
¹BIOL 5 is the same as LANHT 15; maximum credit: one course.

B3. Laboratory Activity
At least one course shown with (L) in Areas B1 or B2 OR one of the following:
ANTHR: 1L (clears lab requirement with ANTHR 1)
ASTR: 20 (clears lab requirement with ASTR 1 or 10)
BIOL: 13L¹ (clears lab requirement with BIOL 13)
ENVMT: 2L¹ (clears lab requirement with BIOL 13)
GEOG: 1L (clears lab requirement with GEOG 1)
¹BIOL 13L is the same as ENVMT 2L; maximum credit: one course.

B4. Math/Quantitative Reasoning
At least one course, with a grade of "C" or better, from the following:
MATH: 1, 2, 3A, 3B, 3C, 3D, 13, 15, 16A, 16B, 50

AREA C: ARTS AND HUMANITIES

Three courses, for a minimum of 9 semester (12-15 quarter) units, with one course from Arts (C1), one course from Humanities (C2), and one course from either Arts or Humanities.

C1. Arts
At least one course from the following:
ART: 1, 4, 9, 12, 15
ASAME: 1
MUSIC: 9, 10, 11, 15A, 19

C2. Humanities
At least one course from the following:
ASAME: 30*, 45A*, 45B*
CHIN: 1, 2
ENGL: 1B, 10A, 10B, 17A, 30A, 30B, 32A, 32B, 38*, 43
HIST: 2A*, 2B*, 7A*, 7B*, 15*, 19*
HUMAN: 2
M/LAT: 28¹, 30A, 30B

¹BIOL 5 is the same as LANHT 15; maximum credit: one course.
TRANSFER TO FOUR-YEAR COLLEGES AND UNIVERSITIES

PHIL: 1, 2
SPAN: 1A, 1B, 2A, 2B, 22A, 22B, 30A, 30B, 31A, 31B, 38, 40
1AFRAM 28 is the same as M/LAT 28; maximum credit: one course.

AREA D: SOCIAL SCIENCES

Three courses, minimum of 9 semester (12-15 quarter) units, with courses from at least two different disciplines.

ADJUS: 21, 22, 25, 63
AFRAM: 2, 5, 8, 10, 12, 13, 14A, 14B, 16, 191, 25*, 27*, 30*, 31*, 32*, 33, 38, 45
ANTHR: 2, 3, 4, 5, 7, 8, 13, 16, 18, 30
ASAME: 191, 30*, 32*, 45A*, 45B*
BUS: 52
CHDEV: 51, 53, 57A
COMM: 6, 10, 13, 18*, 22
COSER: 10, 24*, 29*
ECON: 1, 2
ENGL: 38*
ENVMT: 2, 11, 12; 13, 15, 191, 27
GEOG: 1*, 2
HIST: 2A*, 2B*, 7A*, 7B*, 15*, 19*
HUSV: 53*
M/LAT: 6*, 12, 19, 23
NATAM: 191
POSCI: 1, 2, 3, 4, 5, 16
PSYCH: 1A, 1B, 3, 4, 5, 6, 10, 12*, 191, 24, 33
SOC: 1, 2, 3, 5
1AFRAM 19 is the same as ASAME 19, M/LAT 6, and NATAM 19; maximum credit: one course.
2AFRAM 38 is the same as ENVMT 12; maximum credit: one course.
3ENVMT 19 is the same as PSYCH 19; maximum credit: one course.

AREA E: LIFELONG LEARNING AND SELF-DEVELOPMENT

Some courses in this area are less than 3 units (COSER 16A and 20 [variable 2-3 units], and LIS 85 [2 units]). Students taking any course less than 3 units will need an additional course to earn the 3 units needed to clear this area.

One course, with a minimum of 3 semester (4-5 quarter) units, from the following:

ASAME: 32*
BUS: 52
CHDEV: 51
COMM: 18*
COSER: 16A, 20, 24*, 29*
COUN: 24, 30*, 29*
HLTED: 1
HUSV: 53*
LIS: 85
NUTR: 10, 12
PSYCH: 12*
RECSE: 50, 52, 55, 57

UNITED STATES HISTORY, CONSTITUTION, AND AMERICAN IDEALS (CSU Graduation Requirement)

One course from each group below.

Group 1
AFRAM: 301, 311
HIST: 7A, 7B, 15

Group 2
POSCI: 12, 5

Group 3
POSCI: 12, 16
1AFRAM 30 and 31 are not acceptable if taken either Fall 2004 or Spring 2005.
2POSCI 1 may be double-counted in Group 2 and Group 3; units are only counted once.

NOTE: Courses taken to satisfy this requirement may also be used to satisfy another general education area (at the option of the receiving campus; check with Admissions at the receiving campus to confirm). However, the units are only counted once.

PRIVATE UNIVERSITIES AND COLLEGES

Requirements of private universities and colleges vary greatly. Students should determine the private institution of their choice, obtain appropriate catalogs, and confer with a counselor to plan an appropriate, effective transfer program.
This section includes brief descriptions of the courses offered at Merritt College and information about requirements for majors (see curriculum patterns). Not all courses and programs are offered regularly. The college reserves the right to withdraw a course if there is insufficient enrollment. For current course offerings and information concerning new courses not listed in the catalog, please see the Schedule of Classes.

**NUMBERING OF COURSES**

All courses numbered 1-249 are acceptable for credit towards the Associate degree. Some four-year institutions will accept a maximum of 70 semester units in transferable courses. In addition, some colleges and universities will accept only courses that are equivalent to courses taught at those institutions. The student is strongly advised to consult a counselor for transfer requirements to a particular four-year institution.

Courses numbered 1-199 are designated as baccalaureate-level, degree-applicable courses for transfer to institutions within the California State University and the University of California Systems.

Courses numbered 200-249 are degree-applicable, but nontransferable courses.

The designation A-B-C-D following the course number indicates that the course is a four-semester sequence course.

Courses numbered 250-299 are nondegree-applicable, non-transferable courses, as are special selected topics courses numbered 300-399.

Apprenticeship and Cooperative Education courses are numbered 400-499.

Noncredit (zero-unit) courses are numbered 500-699.

Courses numbered 700-799 are special not-for-credit (zero-unit) courses offered under contract education.

Courses numbered 800-999 are fee-based classes that are offered for no (zero) units and for which students pay fees to cover the cost of instruction. See the current Schedule of Classes for a listing of the fee-based classes offered each semester.

**GRADING POLICY SYMBOLS**

Refer to the Pass/No-Pass Grading Policy under Academic & Grading Policies in the Admissions and College Regulations section of the Catalog for an explanation of the grading policy symbols.

**UNITS OF CREDIT**

One unit of credit is defined as one hour of recitation or lecture (together with the required two hours of outside preparation for each hour of recitation or lecture) or three hours of laboratory work each week for a semester. The number appearing after the course title indicates the credit value of the course in semester units. If the course has an A-B-C-D designation, the unit value is the same for each semester segment, except as noted. In some cases, a course may be offered for variable units; the course may be offered for a lower number of units one semester and for a higher number of units in another semester. In variable-unit, open-entry/open-exit courses, units of credit are awarded depending upon the student’s satisfactory completion of the various components of course work. Students are advised to consult the Schedule of Classes for further information.

**PREREQUISITES, COREQUISITES, AND RECOMMENDED PREPARATION**

Refer to the Prerequisites, Corequisites, and Recommended Preparation policies under Academic Policies in the Admissions and College Regulations section of the Catalog.

**DISTANCE LEARNING**

Distance education courses are courses in which the instructor and students are geographically separate and interact through the assistance of communications technology. Distance education courses include telecourses, online courses and mixed-media courses. Each semester Merritt College may offer a series of telecourses (which can be viewed on PCTV Channel 28) or online courses.

The purpose of the distance learning program is to provide educational opportunities to adult learners who are unable to attend traditional on-campus classes because of geographical distance, scheduling conflicts, family and/or career constraints, or physical disability. Many of the courses offered each semester fulfill Associate degree requirements.

**INDEPENDENT STUDY COURSES**

Special courses are offered under course number 49 which permit the student to explore in depth an area or problem of his/her choice not covered by regular catalog offerings.
CURRICULUM PATTERNS AND COURSES

The student must meet prerequisites as outlined by individual departments. Transfer credit for independent study courses (49’s) is contingent upon an evaluation of the course by the receiving University of California or California State University institution after admission. Refer to the Independent Study Policy under Academic Policies in the Admissions and College Regulations section of the Catalog for more information.

SELECTED TOPICS COURSES

Selected topics are courses designed for in-depth study of topics that are not offered as part of the regular catalog course offerings. The course content, hours, and unit credit are determined by the appropriate instructional department in response to student and/or community interest. The course may be offered as a lecture or laboratory class, with any prerequisites determined by the department. Selected topics are designated by course numbers in the 48NA-TZ, 248NA-TZ, and 348NA-TZ ranges. Transfer credit for selected topics courses (48’s) is contingent upon an evaluation of the course by the receiving University of California or California State University institution after admission. Consult the Schedule of Classes for information on current offerings.

CROSS-LISTED COURSES

Some courses may be offered by two or more departments (cross-listed). Example:

AFRAM 19
Racism in the United States
3 units
Also offered as Asame 19, M/Lat 6, and Natam 19.
This course may be taught under either African-American Studies, Asian and Asian-American Studies, Mexican/Latin-American Studies, or Native American Studies, in which case the student has the choice of earning credit in any one of these subject areas.

TAXONOMY OF PROGRAM (TOP) NUMBERS

These numbers, which appear at the end of each course listing, are included for program planning and budgeting purposes and are not intended for student use. This classification system provides standard course definitions for all California Community College Districts.

DEPARTMENT ABBREVIATIONS

Administration of Justice  ADJUS
African-American Studies    AFRAM
Anthropology      ANTHR
Art                        ART
Asian and Asian-American Studies ASAME
Astronomy          ASTR
Biology           BIOL
Bioscience         BIOSC
Business          BUS
Chemistry          CHEM
Child Development   CHDEV
Chinese             CHIN
Communication      COMM
Community Social Services  COSER
Computer Information Systems CIS
Cooperative Work Experience Education COPED
Counseling         COUN
Economics          ECON
Education          EDUC
Educational Technology EDT
Emergency Medical Technician EMT
English            ENGL
English As A Second Language ESL
Environmental Management and Technology ENVMT
Environmental Studies ENVST
Ethnic Studies     ETHST
Fire Science       FISCI
Foreign Languages  FLANG
Geography          GEOG
Geology            GEOL
Health Education   HLTED
Health Professions and Occupations HLTOC
History            HIST
Humanities         HUMAN
Human Services     HUSV
Landscape Horticulture LANHT
Learning Resources LRNRE
Library Information Studies LIS
Mathematics        MATH
Medical Assisting  MEDAS
Mexican and Latin-American Studies M/LAT
Music             MUSIC
Native American Studies NATAM
Nursing            NURS
Nutrition and Dietetics NUTR
Paralegal Studies  PARLG
Philosophy         PHIL
Physical Education P E
### CURRICULUM PATTERNS AND COURSES

<table>
<thead>
<tr>
<th>Subject</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Physical Science</td>
<td>PHYSC</td>
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<td>Physics</td>
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</tr>
<tr>
<td>Political Science</td>
<td>POSCI</td>
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<td>Psychology</td>
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<tr>
<td>Radiologic Science</td>
<td>RADSC</td>
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<td>Real Estate</td>
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<td>Recreation and Leisure Services</td>
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<td>Social and Behavioral Sciences</td>
<td>SOCSC</td>
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<tr>
<td>Sociology</td>
<td>SOC</td>
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<tr>
<td>Spanish</td>
<td>SPAN</td>
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**ISELA SANTANA CLASS 2008**
ADMINISTRATION OF JUSTICE (ADJUS)

The Administration of Justice program serves those who wish to train for a career in a field associated with the administration of criminal justice, those who wish to prepare for transfer to a four-year institution, and those who are currently employed in an Administration of Justice agency and who seek training for career advancement.

There are two majors in the Administration of Justice program, Police Science and Corrections, both of which are offered for the Associate degree and the certificate. To qualify for the AA degree in either major, students must satisfactorily complete the Major course requirements with grade “C” or better in each course and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the minimum 32 units specified for the certificate major (excluding the 9 additional units required for the degree major). The Associate degree programs may be completed in four semesters, while the certificate programs may be completed in two semesters.

POLICE SCIENCE

The Police Science major provides practical and technical instruction to meet the requirements of law enforcement agencies at the local, state, and federal levels. The program is designed for men and women who are interested in careers as a law enforcement officer with responsibilities of ensuring the security of human rights and maintaining social order according to the democratic system. Some responsibilities of law enforcement officers include enforcing laws and detecting and arresting violators of the law, crime prevention, and protecting life and property.

Certificate of Achievement Requirements:

<table>
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<tr>
<th>Dept/No.</th>
<th>Title</th>
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<tbody>
<tr>
<td>ADJUS 21</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 22</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 23</td>
<td>Principles and Procedures of the Justice System</td>
<td>3</td>
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<tr>
<td>ADJUS 24</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>ADJUS 25</td>
<td>Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 201A*</td>
<td>Preparation for Composition and Reading (4)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1A</td>
<td>Composition and Reading (4)</td>
<td>3</td>
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</tbody>
</table>

Recommended:

Afram 10, Sociology of African-Americans (3)
Afram 12, Psychology of African-American (3)
Afram 16, Administration of Criminal Justice and Minority Communities (3)
Afram 19 or Asame 19 or Natam 19 or M/Lat 6, Racism in the United States (3)
Afram 32, African-American History: 1945 to Present (3-4)
Comm 20, Interpersonal Communication Skills (3)
Comm 45, Public Speaking (3)

CORRECTIONS

The Corrections major provides preparatory instruction necessary for persons who wish entry into four-year institutions for careers as Correctional Officers, Counselors or Probation and Parole Officers with federal, state, and county agencies. Entry-level employment may be available after satisfactory completion of the Associate degree or Certificate requirements.

Certificate of Achievement Requirements:

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</tr>
</tbody>
</table>

Recommended:

PSYCH 1A | Introduction to General Psychology (3)
PSYCH 10 | Psychology and Life: Basic Principles (3) 3 |
SOC 1 | Introduction to Sociology (3) 3 |
SOC 2 | Social Problems (3) 3 |

*Engl 201A and 201B are not transferable; Engl 1A and 1B are required for transfer and for the Associate degree.
CURRICULUM PATTERNS AND COURSES

ADJUS 63  Introduction to Corrections  3
ENGL 201A*  Preparation for Composition and Reading (4)
ENGL 1A  Composition and Reading (4)  4
ENGL 201B*  Preparation for Composition and Reading (4)
ENGL 1B  Composition and Reading (4)  4
PSYCH 1A  Introduction to General Psychology (3)
PSYCH 10  Psychology and Life: Basic Principles (3)  3
SOC 1  Introduction to Sociology (3)
SOC 2  Social Problems (3)  3

Total Required Units for Certificate:  32

Degree Major Requirements:

Certificate Course Requirements:  32

Plus, select a minimum of 9 units from the following:
ADJUS 51  Juvenile Law and Procedure (3)
ADJUS 56  Criminal Investigation (3)
COSER 10  Community Resources and Social Policy (3)
COSER 16A  Communication: Theory and Practice (2-3)
COSER 16B  Communication: Families in Crisis (3)
COSER 22  Social Psychology of Substance Abuse (3)
COSER 24  Human Development (3)
COSER 41  Substance Abuse and the Law (3)
COSER 42  Counseling Skills and Substance Abuse (3)

Total Required Units for Degree Major:  41

*Engl 201A and 201B are not transferable; Engl 1A and 1B are required for transfer and for the Associate degree.

Recommended:
Afram 10, Sociology of African-Americans (3)
Afram 12, Psychology of African-Americans (3)
Afram 16, Administration of Criminal Justice and Minority Communities (3)
Afram 19 or Asame 19 or Natam 19 or M/Lat 6, Racism in the United States (3)
Afram 32, African-American History: 1945 to Present (3-4)
Comm 20, Interpersonal Communication Skills (3)
Comm 45, Public Speaking (3)

ADJUS 21
Introduction to Administration of Justice
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
History and philosophy of administration of justice in America: Recapitulation of system; identification of various subsystems; role expectations and their interrelationships; theories of crime, punishment, and rehabilitation; ethics; and education and training for professionalism. 2105.00
AA/AS area 2; CSU area D; IGETC area 4

ADJUS 22
Concepts of Criminal Law
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Historical development and philosophy of law and constitutional provisions: Classification of crime, legal research, study of case law, and concepts of law as a social force. 2105.00
AA/AS area 2; CSU area D; IGETC area 4

ADJUS 23
Principles and Procedures of the Justice System
3 units, 3 hours lecture (GR)
Recommended preparation: Adjus 21
Acceptable for credit: CSU
Study of the role and responsibilities of each segment within the administration of justice system: Law enforcement, judicial, and corrections systems; past and contemporary analysis of subsystem procedures from initial entry to final disposition, and the relationship each segment maintains with its system members. 2105.00

ADJUS 24
Legal Aspects of Evidence
3 units, 3 hours lecture (GR)
Recommended preparation: Adjus 21
Acceptable for credit: CSU
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; and judicial decisions interpreting individual rights and case studies. 2105.00
CURRICULUM PATTERNS AND COURSES

ADJUS 25
Community Relations
3 units, 3 hours lecture (GR)
Recommended preparation: Adjus 21
Acceptable for credit: CSU, UC
Survey of relationship between the criminal justice system and the community: Causal and symptomatic aspects of community misunderstanding, misinformation, prejudice, one-sidedness and mistrust. Emphasis on possibilities for change. 2105.00
AA/AS area 2; CSU area D

ADJUS 48NA-TZ
Selected Topics in Administration of Justice
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 2105.00

ADJUS 49
Independent Study in Administration of Justice
.5-5 units (GR)
Course study under this section may be repeated three times.
See section on Independent Study. 2105.00

ADJUS 51
Juvenile Law and Procedure
3 units, 3 hours lecture (GR)
Recommended preparation: Adjus 21
Acceptable for credit: CSU
The history and philosophy of juvenile law and procedures in America: Assessment of juvenile court law and agencies involved in crime control, law enforcement approach to delinquency control utilizing accepted techniques of prevention, repression, investigation, and apprehension of youthful offenders. 2105.00

ADJUS 56
Criminal Investigation
3 units, 3 hours lecture (GR)
Recommended preparation: Adjus 21
Acceptable for credit: CSU
Fundamentals and basic principles of all types of investigations: Crime scene search to locate, identify, record, collect, preserve, and transport physical evidence using scientific aids; modus operandi, sources of information, interviews and interrogation, surveillance, follow-up, technical resources, and case preparation. 2105.00

ADJUS 57
Report Writing for Public Safety Personnel
2 units, 2 hours lecture (GR or P/NP)
Recommended preparation: Adjus 21
Acceptable for credit: CSU
Techniques of communicating facts, information and ideas effectively in a simple, clear and logical manner in various types of public-safety systems reports: Emphasis on letters, memoranda, directives, and administrative reports and summaries required in public-safety systems such as police and fire; terminology, correct English usage, and organization of information; practice experience in note taking and report writing; and presentation of testimony in court. 2199.00

ADJUS 63
Introduction to Corrections
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Philosophy and history of corrections from historical and theoretical point of view: Survey of various explanations for criminal behavior; functions and objectives of criminal justice system concerned with probation, institutions, and parole process as they affect offender behavior modification; court system relations to criminal offender; and modern approaches in correctional process. 2105.10
AA/AS area 2; CSU area D; IGETC area 4

ADJUS 110
Basic Course–Police Academy
40 units, 547 term hours lecture, 504 term hours laboratory (26 weeks) (GR)
Prerequisite: Background check
Recommended preparation: PE 110
Acceptable for credit: CSU
Techniques of law enforcement: Fundamental principles and procedures of criminal law, patrol procedures, investigation procedures, defensive and offensive tactics, use of weapons, community relations, police vehicle operations, traffic enforcement, investigation of accidents, first aid and physical conditioning for police service. 2105.50

ADJUS 248NA-TZ
Selected Topics in Administration of Justice
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 2105.00
# AFRICAN-AMERICAN STUDIES (AFRAM)

The **AA degree in African-American Studies** will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

## Degree Major Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Group 1: Family and Society</strong></td>
<td>Select two courses from the following for a minimum of 6 units:</td>
<td></td>
</tr>
<tr>
<td>AFRAM 5</td>
<td>The African-American Family in the United States (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 8</td>
<td>African-American Politics (3-4)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 10</td>
<td>Sociology of African-Americans (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 12</td>
<td>Psychology of African-Americans (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 14A</td>
<td>Social Psychology: African-American Male/Female Relationships (3)</td>
<td></td>
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<tr>
<td>AFRAM 14B</td>
<td>Social Psychology: African-American Male/Female Relationships (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 16</td>
<td>Administration of Criminal Justice and Minority Communities (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 18</td>
<td>Racism in the United States (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 38</td>
<td>Environmental Racism and Justice (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 12</td>
<td>Environmental Racism and Justice (3)</td>
<td>6</td>
</tr>
<tr>
<td><strong>Group 2: History and Economics</strong></td>
<td>Select two courses from the following for a minimum of 6 units:</td>
<td></td>
</tr>
<tr>
<td>AFRAM 2</td>
<td>Minority Economic Survival (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 30</td>
<td>African-American History: Africa to 1865 (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 31</td>
<td>African-American History: 1865-1945 (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 32</td>
<td>African-American History: 1945 to Present (3-4)</td>
<td></td>
</tr>
<tr>
<td><strong>Group 3: Africa and the Diaspora</strong></td>
<td>Select the following two courses for a minimum of 6 units:</td>
<td></td>
</tr>
<tr>
<td>AFRAM 25</td>
<td>Classical African Civilizations (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 27</td>
<td>Afro-Caribbean History, Politics, and Culture (3)</td>
<td></td>
</tr>
<tr>
<td><strong>Group 4: Culture and Creativity</strong></td>
<td>Select two course from the following for a minimum of 6 units:</td>
<td></td>
</tr>
<tr>
<td>AFRAM 28</td>
<td>Survey of Third World through Films (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 33</td>
<td>The Roots of African-American Culture (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 41</td>
<td>African-American Writers (Fiction) (3)</td>
<td></td>
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<tr>
<td>AFRAM 42</td>
<td>African-American Writers (Non-Fiction) (3)</td>
<td></td>
</tr>
<tr>
<td>AFRAM 43</td>
<td>African-American Writers (Poetry) (3)</td>
<td></td>
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<tr>
<td>AFRAM 45</td>
<td>Religion and the African-American Church in America (3)</td>
<td></td>
</tr>
<tr>
<td>Total Required Units:</td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

### AFRAM 2
**Minority Economic Survival**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Concentration on areas of the American economy that affect minorities the most: Buying and selling market, taxation, investments, minority employment, banking, and income distribution and poverty. 2203.01
AA/AS area 2, 5; CSU area D

### AFRAM 5
**The African-American Family in the United States**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
The African-American family from Africa to America: Emphasis on male-female relationships and major obstacles to African-American family growth and development in the United States. 2203.01
AA/AS area 2, 5; CSU area D; IGETC area 4

### AFRAM 8
**African-American Politics**
3-4 units, 3-4 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Analysis and understanding of major trends and developments in the politics of African-Americans: Emphasis on African-American politicians within the two-party system. 2203.01
AA/AS area 2, 5; CSU area D; IGETC area 4

### AFRAM 10
**Sociology of African-Americans**
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Sociological analysis of African-American society in the United States: Political, economic, religious, and judicial systems as they affect African-Americans; emphasis on recent African-American socio-political movements. 2203.01
AA/AS area 2, 5; CSU area D; IGETC area 4

### AFRAM 12
**Psychology of African-Americans**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Principles of psychology as they relate to the African-American community: Selected social problems such as prejudice and desegregation, racial conflict, and deviancy in the community from an African-American perspective. 2203.01
AA/AS area 2, 5; CSU area D; IGETC area 4
AFRAM 13
Ethnic Perceptions in the Mass Media
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Role of mass media in perceptions of race and culture; Social and psychological development of ethnic perceptions. 2203.01
AA/AS area 2, 5; CSU area D, IGETC area 4

AFRAM 14A
Social Psychology: African-American Male/Female Relationships
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Study and application of psychosociological concepts and research techniques exploring the dynamics of African-American male-female relationships. 2203.01
AA/AS area 2, 5; CSU area D

AFRAM 14B
Social Psychology: African-American Male/Female Relationships
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Study of psychology of male-female communications with analysis of interpersonal phenomena. 2203.01
AA/AS area 2, 5; CSU area D

AFRAM 16
Administration of Criminal Justice and Minority Communities
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Overview of the criminal justice system in the United States as it affects minorities: Arrest, trial, sentencing, and treatment processes. 2203.01
AA/AS area 2, 5; CSU area D; IGETC area 4

AFRAM 19
Racism in the United States
3 units, 3 hours lecture (GR or P/NP)
Also offered as Asame 19, M/Lat 6, and Natam 19. Not open for credit to students who have completed or are currently enrolled in Asame 19, M/Lat 6, or Natam 19.
Acceptable for credit: CSU, UC
Exploration of the development of modern racism in the United States: Economic, socio-cultural, and psychological implications; and resistances to its effects from African-American, Asian-American, Mexican and Latin-American and Native American perspectives. 2203.01
AA/AS area 2, 5; CSU area D; IGETC area 4

AFRAM 25
Classical African Civilizations
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
History, development, and contributions of classical African civilizations of the Nile River Valley (Kush, Nubia, Egypt): Examination of the scientific contributions, social and political structures, religious philosophies, artistic techniques, and technological innovations that these civilizations have made to world culture and history from 4,000 BCE to 30 BCE. 2203.01
AA/AS area 2, 3; CSU area C2, D; IGETC area 3B, 4

AFRAM 27
Afro-Caribbean History, Politics and Culture
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Historical, economic, and cultural development of the Caribbean from Native American occupation and colonization by European nations to the struggle for sovereignty: Transformation of the region by the introduction of large-scale production in agriculture and the arrival of enslaved Africans, impact of African culture and resistance to slavery and European domination by blacks in the region, different paths to economic development in the post-emancipation years, and the role of U.S. foreign policy in the twentieth century. 2203.01
AA/AS area 2, 3; CSU area C2, D; IGETC area 3B, 4

AFRAM 28
Survey of Third World through Films
3 units, 3 hours lecture (GR or P/NP)
Also offered as M/Lat 28. Not open for credit to students who have completed or are currently enrolled in M/Lat 28.
Acceptable for credit: CSU, UC
Survey of third world people through films: Emphasis on themes related to African, Mexican/Latino, Asian, and Native American experiences in the U.S. and elsewhere; films viewed as to their content, artistic quality, and relevance for people of color in the modern world. 2203.01
AA/AS area 3, 5; CSU area C2; IGETC area 3B
AFRAM 30
African-American History: Africa to 1865
3 units, 3 hours lecture (GR or P/NP)
Also offered as Hist 50. Not open for credit to students who have completed or are currently enrolled in Hist 50.
Acceptable for credit: CSU, UC
Survey of the experience of African-Americans from their origins to the end of the Civil War: Emphasis on political, social and cultural developments, and change. 2203.01 AA/AS area 2, 5; CSU area C2, D; IGETC area 3B, 4; CSU American Institutions, Group 1

AFRAM 31
African-American History: 1865-1945
3 units, 3 hours lecture (GR or P/NP)
Also offered as Hist 51. Not open for credit to students who have completed or are currently enrolled in Hist 51.
Acceptable for credit: CSU, UC
Survey of the experience of African-Americans in the United States from 1865 to 1945: Emphasis on Black Reconstruction, African-American nationalism, racism, and the impact of the Depression and World War II. 2203.01
AA/AS area 2, 5; CSU area C2, D; IGETC area 3B, 4; CSU American Institutions, Group 1

AFRAM 32
African-American History: 1945 to Present
3-4 units, 3-4 hours lecture (GR)
Also offered as Hist 52. Not open for credit to students who have completed or are currently enrolled in Hist 52.
Acceptable for credit: CSU, UC
Survey of the experience of African-Americans in the United States from 1945 to the present: Emphasis on the Civil Rights movement and other contemporary issues. 2203.01
AA/AS area 2, 5; CSU area C2, D; IGETC area 3B, 4

AFRAM 33
The Roots of African-American Culture
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Historical dimensions of the African-American experience: Emphasis on formation of a distinctive African-American culture. 2203.01
AA/AS area 2, 5; CSU area D; IGETC area 4

AFRAM 38
Environmental Racism and Justice
3 units, 3 hours lecture (GR or P/NP)
Also offered as Envmt 12. Not open for credit to students who have completed or are currently enrolled in Envmt 12.
Acceptable for credit: CSU, UC
American and global environmental policy and ethics concentrating on their impact on minorities and people of color: Unequal environmental protection; the politics of pollution, race and waste dumping; and the intersection of the Civil Rights and Environmental Justice Movements with an emphasis on civil rights, social justice, white supremacy, and the impact of the Environmental Movement on people of color. 2203.01
AA/AS area 2, 5; CSU area D; IGETC area 4; UCB American Cultures

AFRAM 41
African-American Writers (Fiction)
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
African-American fiction writers: Emphasis on the African-American novelist and playwright; analysis of the development of each genre and the themes used. 2203.01
AA/AS area 3, 4d, 5; CSU area C2; IGETC area 3B

AFRAM 42
African-American Writers (Non-Fiction)
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
African-American nonfiction writers: Emphasis on essays, autobiographies, and biographies. 2203.01
AA/AS area 3, 4d, 5; CSU area C2; IGETC area 3B

AFRAM 43
African-American Writers (Poetry)
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
African-American poets (past and present): Emphasis on interpretation of ideas in poetry from the African-American perspective; creative writing required. 2203.01
AA/AS area 3, 4d, 5; CSU area C2; IGETC area 3B
AFRAM 45  
Religion and the African-American Church in America  
3 units, 3 hours lecture (GR)  
Also offered as Human 45. Not open for credit to students who have completed or are currently enrolled in Human 45.  
Acceptable for credit: CSU, UC  
Survey and analysis of the role of the church in the African-American community: Impact on social, political, economic, and psychological development of African-Americans. 2203.01  
AA/AS area 2, 3, 5; CSU area D; IGETC area 4

AFRAM 48NA-TZ  
Selected Topics in African-American Studies  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics. 2203.01

AFRAM 49  
Independent Study in African-American Studies  
.5-5 units (GR)  
Course study under this section may be repeated three times.  
See section on Independent Study. 2203.01

AFRAM 248NA-TZ  
Selected Topics in African-American Studies  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics. 2203.01

ANTHROPOLOGY (ANTHR)  
The AA degree in Anthropology will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

Degree Major Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHR 1</td>
<td>Introduction to Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 1L</td>
<td>Physical Anthropology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ANTHR 2</td>
<td>Introduction to Archaeology and Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 5</td>
<td>American Indian History and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR 30A-D</td>
<td>Anthropology Museum (1-5)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 13</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Select two courses (6 units) from the following:

| ANTHR 4 | ancient civilizations: Aztec, Inca, Maya (3) |
| ANTHR 7 | Magic, Religion and Witchcraft (3)          |
| ANTHR 8 | Anthropology through Film: Ethnographic Studies (3) |
| ANTHR 13| Urban Anthropology (3)                      |
| ANTHR 16| Sex and Society (3)                         |

Total Required Units: 26

For students considering transfer, see a counselor for transfer requirements.

Strongly recommended:

| Biol 10, Introduction to Biology (4) |
| CIS 1, Introduction to Computer Information Systems (4) |
| or |
| CIS 5, Introduction to Computer Science (5) |

ANTHR 1  
Introduction to Physical Anthropology  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  
Study of human beings and their ancestors: Emphasis on relationships to other mammals, physical record of evolution, and processes responsible for evolution. 2202.00  
AA/AS area 1; CSU area B2, B3 (with Anthr 1L satisfies lab requirement); IGETC area 5B, 5C (with Anthr 1L satisfies lab requirement)

ANTHR 1L  
Physical Anthropology Laboratory  
1 unit, 4 hours laboratory (GR or P/NP)  
Prerequisite or corequisite: Anthr 1  
Acceptable for credit: CSU, UC  
Adjunct laboratory to ANTHR 1: Emphasis on working with replicas of bones and visits to museums and zoos to study primate behavior and hominid evolution. 2202.00  
CSU area B3 (with Anthr 1); IGETC area 5C (with Anthr 1)

ANTHR 2  
Introduction to Archaeology and Prehistory  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  
World prehistory as reconstructed from the archeological and physical evidences of cultural beginnings through the early agricultural civilizations of Africa, America and Euro-Asia: Archeological methods, techniques and problems. 2202.20  
AA/AS area 2; CSU area D; IGETC area 4
ANTHR 3
Introduction to Social and Cultural Anthropology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Cross-cultural analysis of social and cultural factors of human behavior in the recent past and present.  2202.00
AA/AS area 2; CSU area D; IGETC area 4

ANTHR 4
Ancient Civilizations: Aztec, Inca, Maya
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of Meso-American and ancient South American peoples and cultures: Study using the methods and theories of anthropological archeology.  2202.00
AA/AS area 2; CSU area D; IGETC area 4

ANTHR 5
American Indian History and Culture
3 units, 3 hours lecture (GR or P/NP)
Also offered as Hist 1. Not open for credit to students who have completed or are currently enrolled in Hist 1.
Acceptable for credit: CSU, UC
Survey of North American Indians: Traditional ways of life and history both before and after contact with Europeans; current trends in American Indian socio-economic and cultural development.  2202.00
AA/AS area 2, 5; CSU area D; IGETC area 4

ANTHR 7
Magic, Religion and Witchcraft
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Comparative study of religion, magic, and supernatural beliefs and practices: Dynamics and function of religion and magic in human societies.  2202.00
AA/AS area 2, 3; CSU area D; IGETC area 4

ANTHR 8
Anthropology through Film: Ethnographic Studies
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Analysis of a wide range of cultures, including American, and filmed representations of them: Focuses strongly on issues of race, gender, age, and ethnicity.  2202.00
AA/AS area 2, 3; CSU area D; IGETC area 4

ANTHR 13
Urban Anthropology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of communities in urban settings and a cross-cultural approach to urban life styles: Rise and fall of great urban centers in Asia, Africa, Europe, and the Americas.  2202.00
AA/AS area 2; CSU area D; IGETC area 4

ANTHR 16
Sex and Society
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Cross-cultural approach stressing the biological, cultural, social, and legal aspects of human sexuality: Biological evolution, sexual preferences, abortion, pornography, prostitution, and expanded family forms as they relate to changing laws, customs, and emergent political groups.  2202.00
AA/AS area 2; CSU area D; IGETC area 4

ANTHR 18
Introduction to Anthropological Linguistics
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to the study of language: How linguists describe human languages and exploration of how they developed, change and function in human societies.  2202.00
AA/AS area 2; CSU area D; IGETC area 4

ANTHR 30
Anthropology Museum
1-5 units, 0-2 hours lecture, 3-9 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 20 units.
Introduction to Museology including the history, function, and goals of museums: Practical application in collecting, cataloging, conserving, exhibiting, and reproducing the art, domestic implements, and tools of folk societies.  2202.00
AA/AS area 2; CSU area D (if course taken for 3 or more units)

ANTHR 48NA-TZ
Selected Topics in Anthropology
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics.  2202.00
CURRICULUM PATTERNS AND COURSES

ANTHR 49
Independent Study in Anthropology
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 2202.00

ANTHR 248NA-TZ
Selected Topics in Anthropology
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2202.00

Anthropology Museum
The Merritt College Anthropology Museum was established in the fall of 1973 through a grant from the San Francisco Foundation. The museum has received support from other sources as well, enabling it to establish anthropological exhibits in the East Bay for the benefit of the community served by Merritt College. The Museum offers exhibits of ethnographic material to the campus community and offers a course in Museology which covers practical applications in collecting, cataloging, conserving, exhibiting, and reproducing the art, domestic implements, and tools of folk societies.

ART
(ART)

ART 1
Introduction to Art History
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to art purposes, principles and forms: Basic understanding of stylistic development and methods of analysis with emphasis on twentieth-century art. 1001.00
AA/AS area 3; CSU area C1; IGETC area 3A

ART 4
History of Modern Art (1800 to Present)
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Major visual art forms and movements of the nineteenth and twentieth centuries: Concentration on the foremost painters, sculptors, and architects of the modern period and their works. 1001.00
AA/AS area 3; CSU area C1; IGETC area 3A

ART 9
History of World Ceramics: Past and Present
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to the history of world ceramics: Traces the high points of ceramics to include sculpture, the figure, and the ceramic vessel of different cultures, past to present; includes visits to private and public collections. 1001.00
AA/AS area 3; CSU area C1; IGETC area 3A

ART 12
World Art: Visual and Historical Analysis
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to language of visual analysis in world art: Relation of formal art elements to their meaning in various world cultures (European, North American, Asian, African, and Pacific); identification of visual tools used throughout every culture and study of original artworks in the Oakland Museum of California collection. 1001.00
AA/AS area 3; CSU area C1; IGETC area 3A

ART 15
California Art History, 1850-2000
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Survey of California art of the past 150 years, charting its development and its complex blending of race, ethnicity, and aesthetics: Contributions of Asian-American, European-American, Chicano/Latino-American, Native-American and African-American artists; use of artistic heritage in framing identity; the cross-influences of different artistic practices; and role of art in expressing and creating cultural values. 1001.00
AA/AS area 3, 5; CSU area C1; IGETC area 3A; UCB
American Cultures

ART 20
Beginning Drawing and Composition
2-3 units, 1-2 hours lecture, 3-4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Freehand drawing with various media: Drawing techniques and fundamentals of composition applied to subject matter including an introduction to perspective. 1002.10
CURRICULUM PATTERNS AND COURSES

ART 21
Continuing Drawing and Composition
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Special problems of composition and drawing techniques in relation to drawing as a fine art: Study of form in black and white and in color. 1002.10

ART 22
Intermediate Drawing and Composition
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Exploration in drawing through a series of related works: Individual interests developed. 1002.10

ART 23
Advanced Drawing and Composition
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Advanced drawing techniques applied to selected subjects and goals. 1002.10

ART 24
Special Projects: Drawing
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 8 units.
Independent exploration and experimentation in special areas of drawing. 1002.10

ART 25
Beginning Figure Drawing and Composition
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Understanding the figure from quick sketches to long careful studies of the live model: Fundamentals of anatomy, proportion, drawing techniques, and composition. 1002.10

ART 26
Continuing Figure Drawing and Composition
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuing drawing from the live model: Introduction to more advanced problems. 1002.10

ART 27
Intermediate Figure Drawing and Composition
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Intermediate drawing from the live model: Emphasis on composition and color in figure drawing. 1002.10

ART 28
Advanced Figure Drawing and Composition
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Advanced drawing from the live model: Emphasis on developing an individual style. 1002.10

ART 29
Special Projects: Figure Drawing
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 8 units.
Continued study and development of special projects in figure drawing from the live model. 1002.10

ART 30
Beginning Figure Drawing: Anatomy
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Study and drawing of the human form using live models: Emphasis on basic problems of line, gesture, volume, and anatomy. 1002.10

ART 31
Continuing Figure Drawing: Anatomy
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Continuation of ART 30 using live models: Emphasis on problems of proportion and perspective, stressing anatomy. 1002.10

ART 32
Intermediate Figure Drawing: Anatomy
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 31 using live models: Emphasis on anatomy for achieving realistic drawing; review of drawing principles and techniques. 1002.10
ART 33
Advanced Figure Drawing: Anatomy
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 32 using live models: Emphasis on the anatomically realistic likeness using longer poses. 1002.10

ART 34
Freehand Perspective Drawing
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 8 units.
Techniques and principles of freehand perspective drawing: Creating the illusion of three-dimensional objects and space on a two-dimensional surface, including one-, two- and three-point perspective. 1002.10

ART 35
Beginning Portraiture
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Drawing portraits from the live model: Emphasis on anatomy, proportion, and achieving a likeness. 1002.10

ART 36
Continuing Portraiture
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Drawing portraits from the live model: Emphasis on composition, position, clothing, and color. 1002.10

ART 39
Special Projects: Portraiture
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 8 units.
Development of an individual style and portfolio of consistent works suitable for an exhibition. 1002.10

ART 41
Basic Design
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated one time for a maximum of 4 units.
Fundamental elements of design: Dot, line, plane, volume, space, color, texture and light; laboratory experience in visual composition and layout emphasizing two-dimensional design. 1002.10

ART 48NA-TZ
Selected Topics in Art
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1002.00

ART 49
Independent Study in Art
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1002.00

ART 50
Beginning Painting
2-3 units, 1-2 hours lecture, 3-4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Basic techniques of oil or acrylic painting: Preparation and use of canvas and supports, color mixing, composition in a variety of styles, development of imaginative and objective images. 1002.10

ART 51
Continuing Painting
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 50: Emphasis on composition using oils, acrylics, and mixed media; may include live models. 1002.10

ART 52
Intermediate Painting
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 51: Emphasis on more independent and complex activities and projects. 1002.10

ART 53
Advanced Painting
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 52: Emphasis on developing greater clarity in personal imagery and painting style; development of a professional portfolio. 1002.10
ART 54
Special Projects: Painting
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 8 units.
Continued study and skill development with oil and acrylics: May include production of murals and other large-scale paintings as well as individual projects. 1002.10

ART 60
Beginning Painting: Watercolor
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Fundamentals of washes, brushwork, color, and special effects: Transparent, wet-into-wet, and opaque techniques as applied to various subject matter. 1002.10

ART 61
Continuing Painting: Watercolor
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continued development of skills, techniques, and content in watercolor painting: Creative experimentation and individual expression in watercolor painting processes. 1002.10

ART 62
Intermediate Painting: Watercolor
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Intermediate level development of skills, techniques, and content in watercolor painting: Creativity, composition, and individual expression through watercolor techniques emphasized; concentrated work in specific areas. 1002.10

ART 63
Advanced Painting: Watercolor
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Advanced watercolor painting skills, techniques, and content: Individual goals designed by student with instructor with concentration on a series of paintings for possible exhibition or portfolio presentation. 1002.10

ART 64
Special Projects: Watercolor Painting
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 8 units.
Continued study and skill development in advanced watercolor projects. 1002.10

ART 65
Botanical Drawing
1.5-2 units, 1 hour lecture, 2-3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 8 units.
Exploration through drawing of basic plant structures: Recording details of various plant forms; emphasis on rendering form, color, and texture with graphite, ink pen, colored pencils, and watercolor. 1002.10

ART 66
Beginning Pastel Drawing
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Beginning pastel drawing: Basic materials and techniques for using chalk pastels, working from a variety of subject matter including still life, landscape, and portraiture, and covering basic color theory and design considerations. 1002.10

ART 67
Continuing Pastel Drawing
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 66: Exploration of more advanced chalk pastel techniques; includes considerations of composition and style. 1002.10

ART 68
Special Projects: Pastel Drawing
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 8 units.
Continued study and skill development in advanced pastel projects: Development of a personal style in terms of technique, subject matter, and expressive content. 1002.10
ART 80
Beginning Ceramics
2-3 units, 1-2 hours lecture, 3-4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to ceramics: Forming techniques, design, glazing, and firing processes. 1002.30

ART 81
Continuing Ceramics
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 80: Emphasis on design problems and skill development in forming, glazing, and firing processes. 1002.30

ART 82
Intermediate Ceramics
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 81: Emphasis on glaze formulation, firing, and further skill development in forming processes. 1002.30

ART 83
Advanced Ceramics
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 82: Emphasis on individual expression; experimentation in glazes, clay bodies, and kiln firing. 1002.30

ART 84
Special Projects: Ceramics
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 8 units.
Exploration and experimentation in special areas of ceramics. 1002.30

ART 85B
Raku and Alternative Firings
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of the current art of raku: Various forming techniques; appropriate clays, glazes and firing techniques; historical perspective; studio safety procedures; critiques; advanced forming and design techniques appropriate for raku; analysis of firing results. 1002.30

ART 85C
Raku and Alternative Firings
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to the current art of alternative firings: Various forming techniques; appropriate clays, glazes and firing techniques; historical perspective; studio safety procedures; critiques; exploration of alternative firing techniques; analysis of firing results. 1002.30

ART 85D
Raku and Alternative Firings
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 85C: Using a variety of fuel sources and surface designs; multiple low-fire styles such as low-fire salt, pit firing, saggar firing and gas kilns; exploring new forms and surfaces that are appropriate to firing results. 1002.30

ART 86A
Special Projects: Alternative Firing Techniques
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continued study and skill development in advanced alternative firing techniques: Using a variety of fuel sources and surface designs; multiple low-fire styles such as low-fire salt, pit firing, saggar firing and gas kilns; creating simple forms and surfaces that are appropriate to learning firing results. 1002.30

ART 86B
Special Projects: Alternative Firing Techniques
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 86A: Using a variety of fuel sources and surface designs; multiple low-fire styles such as low-fire salt, pit firing, saggar firing and gas kilns; exploring new forms and surfaces that are appropriate to firing results. 1002.30
ART 86C
Special Projects: Alternative Firing Techniques
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 86B: Using a variety of fuel sources and surface designs; multiple low-fire styles such as low-fire salt, pit firing, saggar firing and gas kilns; independent student projects that incorporate design in firing methods and results. 1002.30

ART 86D
Special Projects: Alternative Firing Techniques
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of ART 86C: Using a variety of fuel sources and surface designs; multiple low-fire styles such as low-fire salt, pit firing, saggar firing and gas kilns; independent student projects that incorporate design in advanced firing methods. 1002.30

ART 87
Ceramic Sculpture
3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Exploration of sculptural form through the use of ceramic media: Theory and application of primitive, saggar, and fume fire works. 1002.30

ART 88
Special Projects: Ceramic Sculpture
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Art 87
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 8 units.
Independent exploration and experimentation in the special area of ceramic sculpture. 1002.30

ART 93
Art Presentation: Portfolio Development and Gallery Installation
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated two times for a maximum of 6 units.
Preparation and display of student artwork or collections: Focus on skills to professionally examine, photograph, frame, store, and handle art objects; presentation of art exhibits and use of decorative frame techniques such as gilding and specialized matting; visits to galleries, museums, and art studios and discussions with art mentors. 1001.00

ART 142A
Beginning Digital Art
1 unit, .75 hours lecture, .75 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC (pending)
The computer as an artist’s tool: Basics of image-editing software; creating electronic drawings and paintings, collages and mixed-media; 2D compositional elements and principles. 1002.10

ART 142B
Beginning Digital Art
1 unit, .75 hours lecture, .75 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC (pending)
Continuation of the computer as an artist’s tool: Basics of image-editing software; creating electronic drawings and paintings, collages and mixed-media; 2D compositional elements and principles. 1002.10

ART 143
Continuing Digital Art
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC (pending)
Continuation of digital art: Further study of the features of an image-editing software; electronic drawing and painting, focus on printing and mixed-media; principles and elements of 2-D composition. 1002.10

ART 248NA-TZ
Selected Topics in Art
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1002.00

ASIAN AND ASIAN-AMERICAN STUDIES (ASAME)

ASAME 1
Art and Culture of Asia
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Survey of arts of India, China and Japan and basic patterns of cultural and aesthetic relationships: Study of selected works of art and their historical and cultural settings. 2203.02
AA/AS area 3; CSU area C1; IGETC area 3A
CURRICULUM PATTERNS AND COURSES

ASAME 19
Racism in the United States
3 units, 3 hours lecture (GR or P/NP)
Also offered as Afram 19, M/Lat 6, and Natam 19. Not open for credit to students who have completed or are currently enrolled in Afram 19, M/Lat 6, or Natam 19. Acceptable for credit: CSU, UC
Exploration of the development of modern racism in the United States: Economic, socio-cultural, and psychological implications; and resistances to its effects from African-American, Asian-American, Mexican and Latin-American and Native American perspectives. 2203.02
AA / AS area 2, 5; CSU area D; IGETC area 4

ASAME 30
Asians and Asian-Americans through Films
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Culture and societies of Asia and the Asian Diaspora, with particular emphasis on Asian-American documentary and dramatic films: Examination of films as a medium of communication and representation of Asian and Asian-American cultures, exploring common cultural elements and symbols; themes and motifs in films by and about Asian Americans, Central Asians, East Asians, and South and Southeast Asians. 2203.02
AA / AS area 2, 3, 5; CSU area C2, D; IGETC area 3B, 4

ASAME 32
Asian-American Psychology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Principles of psychology as they relate to the growth and development of Asian-Americans. 2203.02
AA / AS area 2, 5; CSU area D, E; IGETC area 4

ASAME 45A
Asian-American History to 1945
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Asian-American history from the pre-Columbian period to 1945: The “old” Asian immigrants and their experiences: Labor, settlement, community, racist opposition, and eventual acceptance. 2203.02
AA / AS area 2, 5; CSU area C2, D; IGETC area 3B, 4

ASAME 45B
Asian-American History from 1945 to the Present
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Asian-American history from 1945 to the present: The “new” Asian immigration, assimilation, Asian-American empowerment, and community development. 2203.02
AA / AS area 2, 5; CSU area C2, D; IGETC area 3B, 4

ASAME 48NA-TZ
Selected Topics in Asian and Asian-American Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2203.02

ASAME 49
Independent Study in Asian and Asian-American Studies
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 2203.02

ASAME 248NA-TZ
Selected Topics in Asian and Asian-American Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2203.02

ASTRONOMY (ASTR)

ASTR 1
Introduction to Astronomy
3 units, 3 hours lecture plus required field trips and observation (GR)
Recommended preparation: Math 201 or 210D, and Math 202
Not open for credit to students who have completed or are concurrently enrolled in Astr 10.
Acceptable for credit: CSU, UC
Introduction to the universe and insight into its mysteries: Development of modern astronomy, light, astronomical instruments, a brief survey of the solar system, the Sun, the stars, novas and supernovas, neutron stars, black holes, galaxies, and cosmology. 1911.00
AA / AS area 1; CSU area B1, B3 (with Astr 20 satisfies lab requirement); IGETC area 5A, 5C (with Astr 20 satisfies lab requirement)
**CURRICULUM PATTERNS AND COURSES**

**ASTR 10**  
Descriptive Astronomy  
3 units, 3 hours lecture (GR)  
Recommended preparation: Math 201 or 210D  
Not open for credit to students who have completed or are currently enrolled in Astr 1.  
Acceptable for credit: CSU, UC  
Survey of astronomy at a descriptive level: Development of modern astronomy, light, astronomical instruments, the sun, formation and evolution of the solar system, the terrestrial planets, the Jovian planets, asteroids, comets, planets around other stars, and a brief survey of stars.  
1911.00  
AA/AS area 1; CSU area B1, B3 (with Astr 20 satisfies lab requirement); IGETC area 5A, 5C (with Astr 20 satisfies lab requirement)

**ASTR 11A**  
Introduction to Observational Astronomy  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: Math 201 or 210D  
Acceptable for credit: CSU  
Principles of astronomy used to identify, locate, and observe astronomical objects of the night sky using telescopes and binoculars: Familiarization with the night sky and its constellations, planets, double stars, star clusters, nebula, and galaxies; the movement of stars, planets, the sun, and the moon; use of star charts; set-up and use of a variety of different types of telescopes, and use of these instruments to observe astronomical objects.  
1911.00  
CSU area B1

**ASTR 20**  
Observational Astronomy Laboratory  
1 unit, 3 hours laboratory (GR or P/NP)  
Prerequisite or corequisite: Astr 1 or 10  
Course is a supplemental laboratory course for Astr 1 and Astr 10. Recommended for Astronomy majors and/or transfer students.  
Acceptable for credit: CSU, UC  
Hands-on experience observing the night sky using the unaided eye, binoculars, and telescopes: Performance of experiments involving astronomical measurements and principles of astronomical instruments, especially telescopes.  
1911.00  
CSU area B3 (with Astr 1 or 10); IGETC area 5C (with Astr 1 or 10)

**ASTR 48NA-TZ**  
Selected Topics in Astronomy  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics.  
1911.00

**ASTR 49**  
Independent Study in Astronomy  
.5-5 units (GR or P/NP)  
Course study under this section may be repeated three times.  
See section on Independent Study.  
1911.00

**ASTR 248NA-TZ**  
Selected Topics in Astronomy  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics.  
1911.00

**BIOLOGY (BIOL)**

**BIOL 1A**  
General Biology  
5 units, 3 hours lecture, 6 hours laboratory (GR or P/NP)  
Prerequisite: Chem 1A  
Acceptable for credit: CSU, UC  
Introduction to general biology: Cell structure and function, metabolism, molecular and organismal genetics, and animal physiology.  
0401.00  
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 1B**  
General Biology  
5 units, 3 hours lecture, 6 hours laboratory (GR or P/NP)  
Prerequisite: Biol 1A  
Acceptable for credit: CSU, UC  
Continuation of BIOL 1A: Origin of life, evolution, classification, plant structure and function, and ecology.  
0401.00  
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 2**  
Human Anatomy  
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)  
Prerequisite: Biol 10 or 24  
Acceptable for credit: CSU, UC  
Detailed study of human body structure: Molecules, cells, tissues, organs and organ systems, basic physiology and cell division, selected human diseases. Laboratory work includes extensive use of microscopes, figures/charts, three-dimensional models, dissected human cadavers, and dissection of other mammalian organisms/organs.  
0410.00  
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C
**BIOL 3**
**Microbiology**
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Chem 30A or 1A
Recommended preparation: Biol 10
Acceptable for credit: CSU, UC
Survey of the various microscopic agents of particular importance to humans: Emphasis on microbes involved in infectious diseases, host defenses against diseases, elements of infectious chains and means utilized for breaking the chains. 0403.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 4**
**Human Physiology**
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Chem 30A or 1A
Recommended preparation: Biol 2
Acceptable for credit: CSU, UC
Detailed study of human body function: Molecules, cells, tissues, organs and organ systems, basic anatomy essential to understanding function, physical and chemical factors and process, and selected human diseases. Laboratory work includes computer simulations and interactive programs, physiological experiments and demonstrations, and use of microscopes. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 5**
**Botany**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as Lanht 15. Not open for credit to students who have completed or are currently enrolled in Lanht 15.
Acceptable for credit: CSU, UC
Introductory study of botany: Structure, physiology, genetics, ecology, and uses of plants. Laboratory work emphasizes microscopy, physiology experiments, and field identification. 0402.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 9**
**Marine Biology**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to the natural history of marine algae, invertebrates, fish and mammals, focusing on Northern California coast environments: Basic concepts of biology, oceanography, ecology, and current environmental issues. 0408.00 AA/AS area 1; CSU area B2; IGETC area 5B

**BIOL 10**
**Introduction to Biology**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in Biol 1A or 1B or 25.
Students with previous credit in Biol 11 receive only 1 unit of credit for Biol 10.
Acceptable for credit: CSU, UC
Fundamentals of biology for the non-major: Scientific inquiry, biological chemistry, cell structure and function, DNA and genetics, evolution and ecology, and an overview of living organisms. Includes laboratory exercises designed to complement lectures. 0401.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 13**
**Principles of Ecology**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of the interaction of humans with the living world around them: The nature of the biological world and how it works; and the problems of overpopulation, pollution, and environmental deterioration. 0408.00
AA/AS area 1; CSU area B2, B3 (with Biol 13L or Envmt 2L satisfies lab requirement); IGETC area 5B, 5C (with Biol 13L or Envmt 2L satisfies lab requirement)

**BIOL 13L**
**Principles of Ecology and Sustainable Systems Lab**
1 unit, 3 hours laboratory (GR)
Prerequisite or corequisite: Biol 13 or Envmt 2 or (Envst 11)
Also offered as Envmt 2L. Not open for credit to students who have completed or are currently enrolled in Envmt 2L.
Acceptable for credit: CSU, UC
Field laboratory course which identifies, measures, and tests the sustainable environmental principles discussed in ENVMT 2 or BIOL 13: Qualitative and macro/micro quantitative methods, identifying and sustaining ecosystems, nutrient cycling, geographical and aquatic ecology, population dynamics, water and energy systems, air pollution and hazardous waste, and farming methods and use of pesticides. 0408.00
CSU area B3 (with Biol 13 satisfies lab requirement); IGETC area 5C (with Biol 13 satisfies lab requirement)
CURRICULUM PATTERNS AND COURSES

BIOL 15
Environmental Biology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of the relationships between living things and their environment: Natural selection and speciation, the organism and the environment, population ecology, the ecosystem, and a survey of ecosystems. 0408.00
AA/AS area 1; CSU area B2; IGETC area 5B

BIOL 20A
Human Anatomy and Physiology
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Biol 24 or Chem 30A
Acceptable for credit: CSU, UC
Structure and function of the human body: Biological chemistry, cytology, tissues, and integumentary, skeletal, muscular and nervous systems; selected human diseases. Laboratory work: Dissection of mammalian organs, work with dissected human cadavers; use of microscopes, figures/charts, three-dimensional models; physiological experiments and demonstrations, and computer simulations. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

BIOL 20B
Human Anatomy and Physiology
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Biol 20A
Acceptable for credit: CSU, UC
Structure and function of the human body: Special senses, endocrine, cardiovascular, immune, respiratory, digestive, urinary and reproductive systems; selected human diseases. Laboratory: Dissection of mammalian organs, work with dissected human cadavers; use of microscopes, figures/charts, three-dimensional models; physiological experiments and demonstrations, and computer simulations. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

BIOL 23
Introduction to the Human Body
3 units, 3 hours lecture (GR or P/NP)
Course is equivalent to Biol 24 without the lab; it does not meet Allied Health requirements for an anatomy and physiology course.
Acceptable for credit: CSU, UC
Fundamentals of structure and function of the human body: Emphasis on medical and health aspects. 0410.00
AA/AS area 1; CSU area B2; IGETC area 5B

BIOL 24
Basic Human Anatomy and Physiology
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Fundamentals of the structure and function of the human body from an organ system perspective: Key concepts and basic principles of the chemistry of life and organic compounds, cells and tissues, cell physiology, organ systems, selected human diseases. Laboratory work includes use of microscopes, figures/charts, three-dimensional models, dissection of mammalian organs and demonstration of human cadavers. 0410.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

BIOL 25
Human Biology
3 units, 3 hours lecture (GR or P/NP)
Not open for credit to students who have completed Biol 1A or 1B or 10.
Acceptable for credit: CSU, UC
Principles of life sciences through study of biological structures and functions of the human organism: Human genetics, evolution, ecology, sexual differences and comparisons, development and growth, and survey of body systems. 0401.00
AA/AS area 1; CSU area B2; IGETC area 5B

BIOL 29
Biology of the Living World
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended for environmental sciences majors.
Acceptable for credit: CSU, UC
Introduction to biology emphasizing chiefly the evolution, adaptations, and classification of life forms from bacteria to animals: Identification of groups of organisms and the most common species; lesser emphasis on cellular and molecular biology and genetics. 0401.00
AA/AS area 1; CSU area B2
**BIOL 36**  
**Human Genetics**  
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: Biol 1A or 10  
Acceptable for credit: CSU, UC  
Survey of basic Mendelian genetics: Basic cytology, cytogenetics, pedigree, multi-factorial inheritance, development and sex determination, DNA composition and gene expression, transcription and translation, mutation, evolution, biotechnology, cancer, genes and the immune system, genetics and behavior, population genetics, and genetic counseling. 0401.00

AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

**BIOL 40**  
**Infectious Diseases**  
2 units, 2 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Introduction to infectious diseases: Etiology, epidemiology, pathogenesis, treatment, management and prevention of common infectious diseases. 0403.00

**BIOL 46**  
**Introduction to Wildlife Conservation**  
3 units, 3 hours lecture (GR or P/NP)  
Also offered as Envmt 25. Not open for credit to students who have completed or are currently enrolled in Envmt 25.  
Acceptable for credit: CSU, UC  
Introduction to conservation biology, biodiversity, and wildlife observation: Biodiversity, evolution and ecosystems; conservation and field observation methods including visits to local sites to identify and observe species in their ecological context. 0401.00

**BIOL 47**  
**Strategies for the Biology Teaching Assistant**  
.5-1.5 units, 1.5-4.5 hours laboratory (GR or P/NP)  
Open-entry/open-exit course  
Prerequisite or corequisite: Biol 2 or 4 or 20A or 20B or 35 or 48OF  
Acceptable for credit: CSU  
Course study under this section may be repeated two times for a maximum of 4.5 units.  
Laboratory preparation and design techniques: Anatomy and physiology laboratory procedures and dissection techniques, computer-based training and testing design and application, and pedagogy and student assistance. 0410.00

**BIOL 48NA-TZ**  
**Selected Topics in Biological Sciences**  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics. 0401.00

**BIOL 49**  
**Independent Study in Biological Sciences**  
.5-5 units (GR or P/NP)  
Course study under this section may be repeated three times.  
See section on Independent Study. 0401.00

**BIOL 60A-H**  
**Natural History of the Bay Area**  
The following courses are offered under this rubric.

**BIOL 60A**  
**Natural History of the Bay Area: The State Parks, Part I**  
.5-7 units, .5-7 hours lecture (GR or P/NP)  
Also offered as Envst 60A. Not open for credit to students who have completed or are currently enrolled in Envst 60A.  
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.  
Acceptable for credit: CSU  
Survey of the natural history of the Bay Area: Climate, geology, geologic history, geomorphology, flora and fauna of selected Bay Area State Parks including Eastshore, Butano, Sugarloaf Ridge, and Henry W. Coe State Parks. 0408.00

**BIOL 60B**  
**Natural History of the Bay Area: Mt. Diablo State Park**  
1-5 units, 1-5 hours lecture (GR or P/NP)  
Also offered as Envst 60B. Not open for credit to students who have completed or are currently enrolled in Envst 60B.  
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.  
Acceptable for credit: CSU  
Survey of the natural history of Mt. Diablo State Park: Climate, geology, geologic history, geomorphology, flora and fauna; survey techniques for field studies and conservation strategies for the endangered species of the park; includes on-site field studies at Mt. Diablo State Park. 0408.00
CURRICULUM PATTERNS AND COURSES

BIOL 60C
Natural History of the Bay Area: Herpetology
1-4 units, 1-4 hours lecture (GR or P/NP)
Also offered as Envst 60C. Not open for credit to students who have completed or are currently enrolled in Envst 60C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 4 units.
Survey of the natural history of reptiles and amphibians of the Bay Area: Evolution of reptiles, amphibians and archosaurs; survey techniques for field studies and conservation strategies for the endangered herpetiles of the Bay Area; cladistics and phylogenic studies of reptiles and amphibians; includes on-site field studies in various Bay Area state and regional parks. 0408.00

BIOL 60D
Natural History of the Bay Area: Fall Herpetology
1-2 units, 1-2 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Also offered as Envst 60D. Not open for credit to students who have completed or are currently enrolled in Envst 60D.
Survey of the natural history of reptiles and amphibians of the Bay Area actively found during the Fall season: Survey techniques for field studies and conservation strategies for the endangered herpetiles of the Bay Area; cladistics and phylogenic studies of reptiles and amphibians; field studies includes on-site studies in various Bay Area state and regional parks. 0408.00

BIOL 62A-H
Natural History of California
The following courses are offered under this rubric.

BIOL 62A
Natural History of Joshua Tree National Park
.5-4 units, .5-4 hours lecture (GR or P/NP)
Also offered as Envst 62A. Not open for credit to students who have completed or are currently enrolled in Envst 62A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Introduction to the natural history of Joshua Tree National Park: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Mojave and Sonoran Deserts of Joshua Tree National Park, California; history, archeology, and current conservation issues. 0408.00

BIOL 62B
Natural History of the Redwood Forest
.5-2 units, .5-2 hours lecture (GR or P/NP)
Also offered as Envst 62B. Not open for credit to students who have completed or are currently enrolled in Envst 62B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Introduction to the natural history of the Redwood Forest: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Redwood Region of California; history, archeology, and current conservation issues. 0408.00

BIOL 62C
Natural History of Point Lobos and the Big Sur Coast
.5-1.5 units, .5-1.5 hours lecture (GR or P/NP)
Also offered as Envst 62C. Not open for credit to students who have completed or are currently enrolled in Envst 62C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Introduction to the natural history of Point Lobos and the Big Sur Coast: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Point Lobos and Big Sur Region of California; history, archeology, and current conservation issues; emphasis on adaptations to the Central California coastal environment by organisms such as California gray whales, sea otters, coast redwoods and the endemic Santa Lucia fir. 0408.00

BIOL 62D
Natural History of Devil’s Postpile and the Eastern Sierra
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Envst 62D. Not open for credit to students who have completed or are currently enrolled in Envst 62D.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Introduction to the natural history of Devil’s Postpile and the Eastern Sierra: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Devil’s Postpile and the Eastern Sierra Region of California; history, archeology, and current conservation issues; emphasis on the region’s multifaceted natural history and montane plant and animal species. 0408.00
BIOL 62E
Natural History of the Sutter Buttes
.5-1.5 units, .5-1.5 hours lecture (GR or P/NP)
Also offered as Envst 62E. Not open for credit to students who have completed or are currently enrolled in Envst 62E.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Introduction to the natural history of the Sutter Buttes: Unique geography (the only mountains in the middle of California's Central Valley), geology, geologic history, geomorphology, and ecology of its blue oak woodlands; specially-arranged guided field sessions to the Buttes which are not open to the general public. 0408.00

BIOL 62F
Natural History of the Klamath-Siskiyou Mountains
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Envst 62F. Not open for credit to students who have completed or are currently enrolled in Envst 62F.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Introduction to the natural history of the Klamath-Siskiyou Mountains: Climate, geology, geologic history, geomorphology, plants and animals and their interactions; history and conservation issues; emphasis on the biodiversity of the region, which has the highest diversity of coniferous tree species in North America due to its being a refugium during the Ice Ages. 0408.00

BIOL 62G
Natural History of Monterey Bay
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Envst 62G. Not open for credit to students who have completed or are currently enrolled in Envst 62G.
Acceptable for credit: CSU
Introduction to the natural history of Monterey Bay: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Monterey Bay Region of California; history, archeology, and current conservation issues; emphasis on adaptations to the Central California coastal environment by organisms such as California gray whales, sea otters, and the endemic Monterey Cypress. 0408.00

BIOL 62H
Natural History of Lassen Volcanic National Park
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Envst 62H. Not open for credit to students who have completed or are currently enrolled in Envst 62H.
Formerly offered as Biol 107.
Acceptable for credit: CSU
Introduction to the natural history of Lassen Volcanic National Park: Climate, geology, geologic history, geomorphology, plant communities, and flora and fauna and their interactions in Lassen Volcanic National Park, the most recently-active volcano in California. 0408.00

BIOL 63A-H
Wildlife of North America
The following courses are offered under this rubric.

BIOL 63A
Ecology, Evolution and Future of the Wolves of Yellowstone
.5-3.5 units, .5-3.5 hours lecture (GR or P/NP)
Also offered as Envst 63A. Not open for credit to students who have completed or are currently enrolled in Envst 63A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Introduction to the evolution of the carnivores and the dog family: Relationship of canids, particularly the wolf, to their prey and the role they have played in the evolution of large herbivores of the Northern Hemisphere; emphasis on the interrelationships between the wolf, elk, and other ungulates of the Yellowstone ecosystem, and reintroduction of the wolf to the park amid controversy; field studies and observations of wolves and their prey in their natural environment in Yellowstone. 0408.00
BIOL 63B
Natural History and Wildlife of the North Woods/Boundary Waters Canoe Area
.5-7 units, .5-7 hours lecture (GR or P/NP)
Also offered as Envst 63B. Not open for credit to students who have completed or are currently enrolled in Envst 63B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the natural history and wildlife of the North Woods/Boundary Waters Canoe Area: Climate, geography, geology, flora and fauna of the North Woods (boreal) forests of Northern Minnesota, with particular emphasis on the glacial landforms and wolf/prey interactions in the pristine wilderness known as the Boundary Waters Canoe Area. 0408.00

BIOL 64A-H
Natural History of Western North America
There are currently no courses offered under this rubric.

BIOL 70A-H
Natural History of Rivers
The following courses are offered under this rubric.

BIOL 70A
Natural History of the Green River
.5-6 units, .5-6 hours lecture (GR or P/NP)
Also offered as Envst 70A. Not open for credit to students who have completed or are currently enrolled in Envst 70A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the dynamics of the Green River in Wyoming and Utah as well as to the natural history of the canyons and valleys through which it flows: Basic hydraulic phenomena as well as the finer craft and art of navigating the river in river rafts and kayaks; classroom sessions followed by a float trip on the Green River in Dinosaur National Monument. 0408.00

BIOL 70B
Natural History of the Rogue River
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Envst 70B. Not open for credit to students who have completed or are currently enrolled in Envst 70B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the dynamics of the Rogue River system in Oregon as well as to the natural history of the canyons and valleys through which it flows: Basic hydraulic phenomena as well as the finer craft and art of navigating the river in river rafts and kayaks; classroom sessions followed by a float trip on the river. 0408.00

BIOL 70C
Natural History of the Selway River and Selway-Bitterroot Wilderness
.5-4 units, .5-4 hours lecture (GR or P/NP)
Also offered as Envst 70C. Not open for credit to students who have completed or are currently enrolled in Envst 70C.
Acceptable for credit: CSU
Introduction to the natural history of the Selway River and the Selway-Bitterroot Wilderness in the Rocky Mountains in northern Idaho: Geology, geologic history (including alpine glaciation), geomorphology, forest types and vegetation communities, fire ecology, and fauna (including recently reestablished wolf populations); river dynamics, hydraulic phenomena and the craft and art of navigating a river in rafts and kayaks; classroom sessions followed by a float trip on the Selway River in northern Idaho. 0408.00

BIOL 80A-H
Birds of Central California and the Bay Area
The following courses are offered under this rubric.
CURRICULUM PATTERNS AND COURSES

BIOL 80A
Raptors of Central California and the Bay Area
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Envst 80A. Not open for credit to students who have completed or are currently enrolled in Envst 80A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the basic biology of birds with an emphasis on hawks, eagles, falcons, kites, owls, vultures and other raptors of Central California and the Bay Area: Identification, classification, evolution, migration and ecology of the raptors; field sessions in outstanding fall migration and overwintering areas presenting these birds in their natural habitats. 0408.00

BIOL 80B
Bird Songing: The Ecology of Bird Songs and Identification by Ear
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Envst 80B. Not open for credit to students who have completed or are currently enrolled in Envst 80B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the identification, classification, and ecology of birds in terms of how they communicate and use their songs: Emphasis on Central California and Bay Area birds, with special attention paid to birds such as passerines, hummingbirds, and parrots that memorize and learn their songs; concepts relating to how birds sing, learn their songs, mimic one another, and play duets together. 0408.00

BIOL 80C
Fundamentals of Ornithology and Birding in Central California and the Bay Area
.5-7 units, .5-7 hours lecture (GR or P/NP)
Also offered as Envst 80C. Not open for credit to students who have completed or are currently enrolled in Envst 80C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Fundamentals of ornithology: Emphasis on habitats from the pelagic to the High Sierra and the birds found there. 0408.00

BIOL 248NA-TZ
Selected Topics in Biological Sciences
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 0401.00

BIOL 260
Biology Success Skills
.5-1 unit, .5-1 hour lecture (GR or P/NP)
Non-degree applicable
Study of topics basic to biology: Biological chemistry, cell structure and function, genetics, and use of the microscope. 4930.14

BIOL 348NA-TZ
Selected Topics in Biological Sciences
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
Non-degree applicable
See section on Selected Topics. 0401.00

BIOSCIENCE (BIOSC)

BIOSC 1
Overview of Microscopy
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 200 or 205 or equivalent, and Engl 201A
Acceptable for credit: CSU
General survey of current microscopy technologies, including brightfield, epifluorescence, confocal, and electron microscopy: Operation of software, specimen preparation, live-cell imaging technologies, artifacts and troubleshooting, and careers in microscopy; laboratory includes hands-on experience with brightfield and digital fluorescence microscopes, and image processing using specialized software. 0430.00
CURRICULUM PATTERNS AND COURSES

BIOSC 2
Theory and Practice of Optical Microscopy
5 units, 3 hours lecture, 6 hours laboratory (GR or P/NP)
Prerequisite: Biosc 1
Acceptable for credit: CSU
Comprehensive survey of microscopy, from brightfield, epifluorescence, confocal, multiphoton, and scanning and transmission electron microscopes, to the newest technologies: Specimen preparation (both live and fixed), plus digital-image processing; laboratory includes hands-on experience with DIC, phase and epifluorescence microscopes, plus tissue culture, and Adobe Photoshop. 0430.00

BIOSC 3
Advanced Fluorescence/Confocal Microscopy
4 units, 4 hours lecture (GR or P/NP)
Prerequisite: Biosc 2
Acceptable for credit: CSU
Advanced microscopy techniques including theory and practice of widefield fluorescence, confocal microscopy, deconvolution, multiphoton, and other optical sectioning methods and emerging technologies: Operation of software; live imaging techniques and considerations; FRAP, FCS, FLIM, and FRET; artifacts and troubleshooting; and survey of employment opportunities using latest technologies. 0430.00

BIOSC 4
Advanced Microscopy Practicum
1-3 units, 3-9 hours laboratory (GR or P/NP)
Prerequisite: Biosc 2
Corequisite: Biosc 3
Acceptable for credit: CSU
Course study under this section may be repeated two times for a maximum of 3 units.
Guided lab project using widefield fluorescence and/or confocal microscopy plus cell culture, IHC and digital imaging: Image acquisition, processing and analysis. 0430.00

BIOSC 9
General Histology
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Biol 1A or 2 or 10 or 20A or 24
Acceptable for credit: CSU, UC (pending)
Survey of plant and animal histology with an emphasis on human histology: Overview of cells, cellular organelles; plant, animal, and human tissues and relationship to organ system. 0430.00

BIOSC 30
Genomics Theory
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Biol 10 or equivalent
Acceptable for credit: CSU
Introduction to genetics and genomic technologies: Principles of genetics and data collection (DNA and RNA structure, mitochondrial DNA, nucleic acid replication, protein synthesis, mitosis-meiosis, Mendelian principles, mutation, molecular character alignment, evolution and phylogenetic reconstruction), combined with data handling (bioinformatics mining using GenBank data), and scientific writing; includes guest speakers and on-site tours of genomics institutions and labs. 0430.00

BIOSC 31
Practical Genomics
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Biol 10 or equivalent
Acceptable for credit: CSU
Introduction to practical genomics: Laboratory techniques such as DNA extraction, polymerase chain reaction (PCR), primer design, DNA shearing, cloning, and data handling of raw, newly obtained DNA data with emphasis on laboratory safety and sample handling to avoid contamination; collection of new DNA data for publication in a scientific journal; includes guest speakers and on-site tours of genomics institutions and labs. 0430.00

BIOSC 48NA-TZ
Selected Topics in Biosciences
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0430.00

BIOSC 49
Independent Study in Biosciences
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 0430.00
BUSINESS (BUS)

The AA degree majors listed below are designed to provide a foundation for students planning to transfer to a four-year institution in the particular area of specialization and/or for those students seeking skills for employment. Students planning to transfer to a four-year institution are advised to consult a counselor for selection of appropriate business and general education courses. The AA degree will be awarded in the specified programs upon satisfactory completion of the Major course requirements and the General Education requirements.

The programs are designed to qualify a student for immediate employment in an area of specialization upon successful completion of the particular curriculum. A Certificate will be awarded in specified programs upon satisfactory completion of the courses listed in the curriculum patterns.

ACCOUNTING

Degree Major Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 1B</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics (Macro-Economics)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics (Micro-Economics)</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Required Units: 21

Recommended:
- Bus 2, Introduction to Business Law (3)
- Bus 5, Human Relations in Business (3)
- Bus 70, Introduction to Marketing (3)

ACCOUNTING

Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BUS 1B</td>
<td>Managerial Accounting</td>
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<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
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<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>Plus:</td>
<td>Any additional Business courses</td>
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</table>

Total Required Units: 18

ADMINISTRATIVE ASSISTANT

Degree Major/Certificate of Achievement Requirements:

<table>
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<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 201*</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BUS 205</td>
<td>Filing and Records Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 221A-C</td>
<td>Office Procedures and Practices (Self-Paced)</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 230D-F</td>
<td>Beginning Keyboarding (Self-Paced)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 244A</td>
<td>Beginning Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems (4)</td>
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</tr>
<tr>
<td>CIS 5</td>
<td>Introduction to Computer Science (5)</td>
<td>4-5</td>
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<tr>
<td>CIS 233</td>
<td>Introduction to the Internet</td>
<td>2</td>
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</tbody>
</table>

Total Required Units: 27-28

Recommended:
- Bus 20, General Accounting (3)
- Bus 202**, Business Mathematics (3)
- Bus 244C, Advanced Word Processing (3)

*Engl 1A or 201A or 201B may be substituted for Bus 201. Engl 1A is required for transfer and for the Associate degree.

**Math 201 or 210A-D or a more advanced mathematics course may be substituted for Bus 202. Math 203 or higher is required for the Associate degree and Math 50 or higher is required for transfer.

ADMINISTRATIVE OFFICE SYSTEMS AND APPLICATIONS

Degree Major Requirements:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 20</td>
<td>General Accounting (3)</td>
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<tr>
<td>or</td>
<td>BUS 1A</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>BUS 201*</td>
<td>3</td>
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<tr>
<td>or</td>
<td>BUS 205</td>
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<tr>
<td>or</td>
<td>BUS 230D-F</td>
<td>3</td>
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<tr>
<td>or</td>
<td>BUS 244A</td>
<td>3</td>
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<tr>
<td>or</td>
<td>BUS 244C</td>
<td>3</td>
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<tr>
<td>or</td>
<td>BUS 221A-C</td>
<td></td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems (4)</td>
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</tr>
<tr>
<td>CIS 5</td>
<td>Introduction to Computer Science (5)</td>
<td>4-5</td>
</tr>
<tr>
<td>CIS 40</td>
<td>Database Management</td>
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BUSINESS MANAGEMENT

Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 1B</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 50</td>
<td>Principles of Management</td>
<td>3</td>
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<tr>
<td>BUS 70</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 74</td>
<td>Introduction to Advertising</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Units: 23

Recommended:
- Bus 1B, Managerial Accounting (4)
- Bus 20, General Accounting (3)
- Bus 54, Small Business Management (3)
- Bus 74, Introduction to Advertising (3)

LEGAL OFFICE ASSISTANT

The Legal Office Assistant program is designed to qualify a student for immediate employment as a Legal Office Assistant in a legal office. Training includes computer application skills in word processing, spreadsheets, database and presentation software, and a basic introduction to the legal profession, law office management, and legal research. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BUS 230E-F</td>
<td>Beginning Keyboarding (Self-Paced) (1-1)</td>
<td>2</td>
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<tr>
<td>BUS 244A</td>
<td>Beginning Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
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</tr>
<tr>
<td>PARLG 1</td>
<td>Law and the Legal Profession</td>
<td>3</td>
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<tr>
<td>PARLG 4</td>
<td>Law Office Management</td>
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<tr>
<td>PARLG 6</td>
<td>Legal Research</td>
<td>3</td>
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</table>

Total Required Units: 17

BUSINESS INFORMATION PROCESSING

Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
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</tr>
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<tbody>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
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<tr>
<td>BUS 10</td>
<td>Introduction to Business</td>
<td>3</td>
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<tr>
<td>BUS 231D-F</td>
<td>Intermediate Keyboarding (Self-Paced) (1-1-1)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 244A</td>
<td>Beginning Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 244C</td>
<td>Advanced Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

Select a minimum of 6 units from the following:
- CIS 40 Database Management (4)
- CIS 42 Spreadsheet Applications (4)
- HLTOC 201 Medical Terminology I (2)
- PARLG 1 Law and the Legal Profession (3)
- PARLG 4 Law Office Management (2)
- PARLG 6 Legal Research (3)

Total Required Units: 25

Recommended:
- Bus 202**, Business Mathematics (3)

*Engl 1A or 201A or 201B may be substituted for Bus 201. Engl 1A is required for transfer and for the Associate degree.

**Math 201 or 210A-D or a more advanced mathematics course may be substituted for Bus 202. Math 203 or higher is required for the Associate degree and Math 50 or higher is required for transfer.

BUSINESS ADMINISTRATION

Degree Major Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 1A</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 1B</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 2</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics (Macro-Economics)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics (Micro-Economics)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Units: 21

Recommended:
- Bus 5, Human Relations in Business (3)
- Bus 20, General Accounting (3)
- Bus 70, Introduction to Marketing (3)
- Bus 74, Introduction to Advertising (3)
OFFICE ADMINISTRATOR

The Office Administrator program is designed to qualify a student for employment as an Office Administrator in the business world. Training includes computer application skills in word processing, spreadsheets, database and presentation software, and a comprehensive introduction to office procedures and practices, including human relations in business, general accounting principles, and principles of management. Occupational work experience is also required. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 20</td>
<td>General Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 50</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 221A-C</td>
<td>Office Procedures and Practices (1 each module)</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>COPED 456Q</td>
<td>Occ. Work Experience in Administrative</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Required Units: 17

RETAIL CLERK

The Retail Clerk Certificate of Proficiency prepares students for entry-level positions in retailing.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 72</td>
<td>Principles of Retailing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>COPED 456E</td>
<td>Cooperative Work Experience in General Business</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Required Units: 10

Recommended:
Bus 202, Business Mathematics (3)
Engl 201A, Preparation for Composition and Reading (4)

BUS 1A
Financial Accounting
4 units, 4 hours lecture (GR)
Acceptable for credit: CSU, UC
Study of purpose, theory, and specific methods of accounting: Systems and methods employed in accumulating data for financial statements; income measurement including cost measurement, classification and expiration; revenue recognition and measurement. 0502.00

BUS 1B
Managerial Accounting
4 units, 4 hours lecture (GR)
Prerequisite: Bus 1A
Acceptable for credit: CSU, UC
Uses of accounting data for planning, controlling, and decision making: Sources of business funds, cost systems and analysis, forecasting and budgeting; analysis, uses, and limitations of financial statements and reports. 0502.00

BUS 2
Introduction to Business Law
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
General survey of business law: Principles of law on contracts, sales agency, torts, partnerships and corporations, and the uniform commercial code. 0501.00

BUS 5
Human Relations in Business
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Application of behavioral science concepts to human problems in organizations: Action necessary to prevent and resolve problems among individuals within groups; application of logical decision-making techniques. 0501.00

AA/AS area 2

BUS 10
Introduction to Business
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Introduction to business: Survey of various phases of business, organization, finance, personnel, production, marketing, managerial controls, and government-business relations. 0501.00
CURRICULUM PATTERNS AND COURSES

BUS 20
General Accounting
3 units, 3 hours lecture (GR)
Not open for credit to students who have completed or are currently enrolled in Bus 1A or 1B.
Acceptable for credit: CSU
Theory and practice of accounting: Double-entry process on accrual basis; complete accounting cycle with use of work sheet and preparation of end-of-the-year financial statements; petty cash, banking procedures, notes, drafts, and introduction to payroll taxes. 0502.00

BUS 48NA-TZ
Selected Topics in Business
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0501.00

BUS 49
Independent Study in Business
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 0501.00

BUS 50
Principles of Management
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Modern theories of management and organizational design and behavior: Evolution of management as an art and as a science, techniques of effectively managing human and economic resources, and social responsibilities of business. 0506.00

BUS 52
Psychology and Human Relations
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Introduction to the application of business psychology and the impact of employee behavioral issues on organizational performance and relationships within an organization: Individuals’ basic drives, motivation, derived needs, reactions and responses, personality and personality traits, emotions, frustrations, attitudes, and other behavioral factors as they apply to business situations; processes, assessment tools, and techniques that foster respect, trust, and sustained collaboration. 0506.00
AA/AS area 2; CSU area D, E

BUS 53
Personnel Management
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Examination of a broad range of problems involved in effective management of an organization’s human resources: Employment interviews, employee records, wage and salary administration, industrial relations, on-the-job training programs, promotions and transfers, motivation and incentives, and state/federal laws regulating employment relationships. 0506.00

BUS 54
Small Business Management
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Functions and objectives of an executive: Definition of duties, and basic knowledge of administration and organization; practice through case studies in making business decisions. 0506.40

BUS 70
Introduction to Marketing
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Basic principles and related management concerns in the field of marketing: Practical uses of marketing, consumer needs, and motivations in the development of marketing strategy. 0509.00

BUS 72
Principles of Retailing
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Retail stores from management’s perspective: Principles and practices used in merchandising, operational problems of the firm, trends in merchandising, case-method techniques of actual on-the-job problems. 0506.50
CURRICULUM PATTERNS AND COURSES

BUS 74  
Introduction to Advertising  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Survey of advertising in business: Marketing research, techniques in copywriting and art, advertising media, advertising agencies and campaigns, and current developments. 0509.10

BUS 201  
Business Communications  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: Engl 267B (or 250D) or 252B or 269B  
Effective planning and composition of various types of business communications: Emphasis on style, tone, vocabulary, methodology, and psychology of purposeful and forceful business communications; practical application of principles to letters, memoranda, reports, procedures, manuals, prospectuses, and proposals. 0501.00

BUS 202  
Business Mathematics  
3 units, 3 hours lecture (GR or P/NP)  
Use of basic mathematical principles in solving business problems: Simple and compound interest, installment sales, trade and cash discounts, markup percents, pricing discounting notes and drafts, inventory, financial statement analysis, depreciation, statistics and binary system, taxes, distribution of ownership and profits, and stocks and bonds. 0501.00

BUS 205  
Filing and Records Management  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: Ability to type 25 words per minute  
Study and application of basic alphabetic filing rules: Numeric and subject filing; storage and retention of records, microfilm and microfiche operations, and filing and records management. 0514.00

BUS 210  
Financial Management and Investments  
3 units, 3 hours lecture (GR or P/NP)  
Survey course which examines sound money management skills and financial plans: Tax-sheltered annuities, real estate, stocks, bonds, trust deeds, new tax laws, borrowing of money, financial adjustments to inflation, and other economic indicators. 0504.00

BUS 221A  
Office Procedures and Practices  
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Prerequisite: Bus 205 and 207A  
Individualized, self-paced course in office procedures and practices: Characteristics of the successful employee; basic principles of document preparation and writing letters, memorandums, and reports; forms of electronic communications; and processing of mail. 0514.00

BUS 221B  
Office Procedures and Practices  
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Individualized, self-paced course in office procedures and practices: Introduction to computer hardware and software; filing and records management; administrative office routines including setting up meetings and conferences, making travel arrangements, and routine fiscal procedures. 0514.00

BUS 221C  
Office Procedures and Practices  
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Individualized, self-paced course in office procedures and practices: Business and e-commerce terminology; the office environment including making purchases, payments, and banking; setting priorities and dealing with customers and the public; job-seeking skills including preparing a resume and job application; professional development opportunities; and stress management and business etiquette. 0514.00

BUS 230D  
Beginning Keyboarding  
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Introduction to the computer keyboard: Basic skill development. 0501.00

BUS 230E  
Beginning Keyboarding  
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Introduction to the computer keyboard: Basic formats for various business forms. 0501.00
BUS 230F  
**Beginning Keyboarding**
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Introduction to the computer keyboard: Emphasis on skills improvement and speed development to 35 words per minute. 0501.00

BUS 231D  
**Intermediate Keyboarding**
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Continued computer keyboarding skills: Emphasis on accuracy control. 0501.00

BUS 231E  
**Intermediate Keyboarding**
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Continued computer keyboarding skills: Developing tables with various features. 0501.00

BUS 231F  
**Intermediate Keyboarding**
1 unit, .67 hours lecture, 1 hour laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Continued computer keyboarding skills: Variations of business forms and financial statements; speed development to 42 words per minute. 0501.00

BUS 244A  
**Beginning MS Word Applications**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: Bus 230F or 233B or 215B  
Introduction to business applications and production of business documents using word processing software: Basic concepts of word processing and computer literacy; creation and production of business documents (memos, letters, reports, resumes, newsletters, mailing labels, web pages, blog posts, etc.) to include correct format, spelling, punctuation, grammar; introduction to basic editing and revising. 0514.00  
AA/AS area 4c

BUS 244C  
**Advanced Word Processing**
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Prerequisite: Bus 244A or 238A or 242 or 245B or 245E  
Advanced word processing applications: Production and distribution of administrative documents. 0514.00  
AA/AS area 4c

BUS 248NA-TZ  
**Selected Topics in Business**  
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)  
See section on Selected Topics. 0501.00

BUS 253A  
**Beginning Microsoft Word**  
.5 units, .25 hours lecture, .75 hours laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Non-degree applicable  
Word processing skills at the beginning level using Microsoft Word: Creating, saving, and printing documents and letters; spell check, autocorrect, and minor revisions. 0514.00

BUS 253B  
**Beginning Microsoft Word**  
.5 units, .25 hours lecture, .75 hours laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Non-degree applicable  
Word processing skills at the beginning level using Microsoft Word: Business letter formatting, indentations and tabs, line and page breaks, margins, paper layout, and paragraph formatting. 0514.00

BUS 253C  
**Beginning Microsoft Word**  
.5 units, .25 hours lecture, .75 hours laboratory (GR or P/NP)  
Modular, open-entry/open-exit course  
Non-degree applicable  
Word processing skills at the beginning level using Microsoft Word: Proofreader’s marks, editing and changing a document, tracking and accepting changes in a document, and introduction to font formatting. 0514.00
BUS 253D
Beginning Microsoft Word
.5 units, .25 hours lecture, .75 hours laboratory (GR or P/NP)
Modular, open-entry/open-exit course
Non-degree applicable
Word processing skills at the beginning level using Microsoft Word: Font formatting, paper orientation, paper size and source, and reformatting text. 0514.00

BUS 348NA-TZ
Selected Topics in Business
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
Non-degree applicable
See section on Selected Topics. 0501.00

CHEMISTRY
(CHEM)

CHEM 1A
General Chemistry
5 units, 3 hours lecture, 3 hours lecture-demonstration, 3 hours laboratory (GR or P/NP)
Prerequisite: Math 203 or 211D
Recommended preparation: Chem 30A or 50
Acceptable for credit: CSU, UC
General principles of chemistry: Measurements, atomic theory, chemical nomenclature, chemical composition, stoichiometry, reactions in aqueous solution, thermochemistry, electron configurations, periodic properties, chemical bonding, gases, liquids, solids, and solutions. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

CHEM 1B
General Chemistry
5 units, 3 hours lecture, 3 hours lecture-demonstration, 3 hours laboratory (GR or P/NP)
Prerequisite: Chem 1A
Acceptable for credit: CSU, UC
General principles of chemistry: Kinetics, equilibrium, acid-base equilibria, buffers, solubility equilibria, entropy and free energy, electro-chemistry, nuclear chemistry, coordination chemistry, and an introduction to organic chemistry. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

CHEM 12A
Organic Chemistry
5 units, 3 hours lecture, 6 hours laboratory (GR)
Prerequisite: Chem 1B
Students who have previously completed Chem 8A receive only 1 unit of credit for Chem 12A.
Acceptable for credit: CSU, UC
Introduction to structures, nomenclature, properties, and reactions of carbon compounds: Hydrocarbons, monofunctional and polyfunctional compounds; emphasis on structures and mechanisms, spectroscopy, and other analytical techniques. Laboratory work includes reactions, purification techniques, measurements, qualitative analysis, and use of instrumentation. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

CHEM 12B
Organic Chemistry
5 units, 3 hours lecture, 6 hours laboratory (GR)
Prerequisite: Chem 12A
Students who have previously completed Chem 8B receive only 1 unit of credit for Chem 12B.
Acceptable for credit: CSU, UC
Continuation of CHEM 12A: Reactions of functional groups and interactions of polyfunctional compounds, infrared spectroscopy, nuclear magnetic resonance, mass spectrometry, ultraviolet-visible spectroscopy. Introduction to biochemistry: Lipids, carbohydrates, proteins, nucleic acids. Laboratory work includes reactions, purification methods, measurements, multistep syntheses, qualitative analysis, and use of instrumentation. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

CHEM 30A
Introductory Inorganic Chemistry
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Math 201 or 210D or 208
Acceptable for credit: CSU, UC
Fundamental principles of inorganic chemistry: Metric measurements, matter and energy, atomic structure, chemical nomenclature, chemical bonding, chemical reactions, stoichiometry, gas laws, nuclear chemistry; properties of liquids, solids, solutions, acids and bases. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
**CURRICULUM PATTERNS AND COURSES**

**CHEM 30B**
**Introductory Organic and Biochemistry**
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Chem 30A
Acceptable for credit: CSU, UC
Introduction to basic organic chemistry and biochemistry: Hydrocarbons; organic functional groups, nomenclature, and reactions; polymers, carbohydrates, proteins, enzymes, lipids, nucleic acids, protein synthesis, and metabolic pathways. 1905.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

**CHEM 48NA-TZ**
**Selected Topics in Chemistry**
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1905.00

**CHEM 49**
**Independent Study in Chemistry**
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1905.00

**CHEM 248NA-TZ**
**Selected Topics in Chemistry**
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1905.00

**CHILD DEVELOPMENT**
**(CHDEV)**
This program is designed for students desiring to transfer to a four-year college or to meet requirements to work in public or private childcare facilities. The **AA degree in Child Development** will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. The program also offers several options, as specified below.

The Child Development program conforms to regulatory agency guidelines and has expanded course offerings to include topics covering diversity, multicultural education, special education, infants/toddlers, home-based care, family child care, and computers in early childhood education settings.

**CHILD DEVELOPMENT**

**Degree Major Requirements:**
**Dept/No.**  **Title**  **Units**
CHDEV 51  **Child Growth and Development** (formerly Facs 51)  3
CHDEV 53  **The Child, the Family and the Community**  3
CHDEV 54A  **Preschool Education: Theory and Guidance**  3
CHDEV 54B  **Introduction to Curriculum**  3
CHDEV 55A  **The Preschool Laboratory**  5
CHDEV 55B  **The Preschool Laboratory**  5

Select at least four courses for a minimum of 12 units from the following:
CHDEV 50  **Introduction to Early Childhood Education** (3)
CHDEV 52  **Observation and Assessment** (3)
CHDEV 56A  **Infant/Toddler Development and Care** (3)
CHDEV 56B  **Curriculum and Environments for Infants and Toddlers** (3)
CHDEV 57A  **Child Growth and Development: Age Six through Adolescence** (3)
CHDEV 57B  **Curriculum and Programs for School-Age Children** (3)
CHDEV 58  **Preschool Administration** (3)
CHDEV 60  **Literature for the Young Child** (3)
CHDEV 65  **Preschool Science Curriculum: Principles and Practices** (3)
CHDEV 66  **Music for Young Children** (2)
CHDEV 67  **Parenting/Grandparenting** (3)
CHDEV 68  **Play-Based Curriculum** (3)
### CURRICULUM PATTERNS AND COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 70</td>
<td>Preschool Art Curriculum: Principles and Practices</td>
<td>2</td>
</tr>
<tr>
<td>CHDEV 71</td>
<td>The Business of Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 74</td>
<td>Preschool Health, Safety, and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 75</td>
<td>Supervising Adults in Early Childhood Programs</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 76</td>
<td>Violence: Its Impact on Children and Families</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 77</td>
<td>Introduction to Violence Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 78</td>
<td>Field Experience in Violence Intervention</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 79</td>
<td>Anti-Bias Curriculum</td>
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</tr>
<tr>
<td>CHDEV 80</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 83</td>
<td>Introduction to Early Intervention</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 84</td>
<td>Young Children with Special Needs: Strategies for Intervention</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 85</td>
<td>Managing Challenging Behaviors in ECE Settings</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 86</td>
<td>Career Education in Early Intervention</td>
<td>1</td>
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<tr>
<td>CHDEV 87</td>
<td>Occupational Work Experience in Early Intervention</td>
<td>4</td>
</tr>
<tr>
<td>CHDEV 246*</td>
<td>Emergent Topics: Best Practices for Working with Children (.5-2)</td>
<td></td>
</tr>
<tr>
<td>COSER 16A</td>
<td>Communication: Theory and Practice</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 10</td>
<td>Nutrition</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Required Units: 34

*A maximum of 2 units combined from any Emergent Topics course can be applied toward the Child Development Assistant Teacher or Teacher certificates or the Child Development degree major.

### ASSISTANT TEACHER

#### Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV*</td>
<td>Any Child Development course numbered 1 through 248</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Required Units: 6

*A maximum of 2 units combined from any Emergent Topics course (Chdev 246) can be applied toward the Child Development Assistant Teacher or Teacher certificates or the Child Development degree major.

### ASSOCIATE TEACHER

The Associate Teacher program is designed to prepare students for entry-level work in public or private childcare facilities. The Child Development program includes diverse topics covering family diversity, multicultural education, special education, infants/toddlers, home-based care, and family child care. This option under the Child Development program focuses on introductory skills needed to work in early childhood education settings, including preschool education theory and application, child growth and development, and the child and his/her place in the family and community. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below.

The Certificate of Proficiency is not indicated on the student’s transcript.

#### Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 50</td>
<td>Introduction to Early Childhood Education (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 54A</td>
<td>Preschool Education: Theory and Guidance (3)</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 51</td>
<td>Child Growth and Development (formerly Facs 51)</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 53</td>
<td>The Child, the Family and the Community</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 54B</td>
<td>Introduction to Curriculum</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Units: 12

*These courses match the course requirements on the Child Development Permit Matrix for Associate Teacher.

1These courses match the course requirements on the Child Development Permit Matrix for Assistant Teacher.
**TEACHER**

### Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 51</td>
<td>Child Growth and Development (formerly Facs 51)</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 53</td>
<td>The Child, the Family and the Community</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 54A</td>
<td>Preschool Education: Theory and Guidance</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 54B</td>
<td>Introduction to Curriculum</td>
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</table>

Select 12 units from the following:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 50</td>
<td>Introduction to Early Childhood Education (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 52</td>
<td>Observation and Assessment (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 55A</td>
<td>The Preschool Laboratory (5)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 55B</td>
<td>The Preschool Laboratory (5)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 56A</td>
<td>Infant/Toddler Development and Care (3)</td>
<td></td>
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<tr>
<td>CHDEV 56B</td>
<td>Curriculum and Environments for Infants and Toddlers (3)</td>
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<tr>
<td>CHDEV 57A</td>
<td>Child Growth and Development: Age Six through Adolescence (3)</td>
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<td>CHDEV 57B</td>
<td>Curriculum and Programs for School-Age Children (3)</td>
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<td>CHDEV 60</td>
<td>Literature for the Young Child (3)</td>
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<td>CHDEV 65</td>
<td>Preschool Science Curriculum: Principles and Practices (3)</td>
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<tr>
<td>CHDEV 66</td>
<td>Music for Young Children (2)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 67</td>
<td>Parenting/Grandparenting (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 68</td>
<td>Play-Based Curriculum (3)</td>
<td></td>
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<tr>
<td>CHDEV 70</td>
<td>Preschool Art Curriculum: Principles and Practices (2)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 74</td>
<td>Preschool Health, Safety, and Nutrition (3)</td>
<td></td>
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<tr>
<td>CHDEV 76</td>
<td>Violence: Its Impact on Children and Families (3)</td>
<td></td>
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<tr>
<td>CHDEV 77</td>
<td>Introduction to Violence Counseling (3)</td>
<td></td>
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<tr>
<td>CHDEV 78</td>
<td>Field Experience in Violence Intervention (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 79</td>
<td>Anti-Bias Curriculum (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 83</td>
<td>Introduction to Early Intervention (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 84</td>
<td>Young Children with Special Needs: Strategies for Intervention (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 85</td>
<td>Managing Challenging Behaviors in ECE Settings (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 86</td>
<td>Career Education in Early Intervention (1)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 87</td>
<td>Occupational Work Experience in Early Intervention (1-4)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 246*</td>
<td>Emergent Topics: Best Practices for Working with Children (.5-2)</td>
<td></td>
</tr>
<tr>
<td>COSER 16A</td>
<td>Communication: Theory and Practice (2-3)</td>
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</tr>
<tr>
<td>NUTR 10</td>
<td>Nutrition (4)</td>
<td>12</td>
</tr>
</tbody>
</table>

Select 16 General Education units to include:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills (3)</td>
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</tr>
<tr>
<td>ENGL 1A**</td>
<td>Composition and Reading (4)</td>
<td></td>
</tr>
<tr>
<td>Plus:</td>
<td>Other elective General Education units (9)</td>
<td>16</td>
</tr>
</tbody>
</table>

Total Required Units: 40

*A maximum of 2 units combined from any Emergent Topics course can be applied toward the Child Development Assistant Teacher or Teacher certificates or the Child Development degree major.

**Engl 1A is required for transfer and for the Associate degree.

*These courses match the course requirements on the Child Development Permit Matrix for Teacher.

### EARLY INTERVENTION

The Early Intervention program explores strategies and trends in working with young children with special needs and their families. The Early Intervention Assistant training program prepares childcare paraprofessionals to work with these children in early childhood educational settings. It meets the training requirements for childcare paraprofessionals under Part B and Part H of the Individuals with Disabilities Education Act (IDEA) and complies with those set forth by the State Commission on Teacher Credentialing (CTC) for a number of professional and paraprofessional positions in early childhood education (ECE) programs. This includes but is not limited to: Early Intervention Assistant I, Early Intervention Assistant II, and specialization requirements for the Master Teacher, Site Supervisor, and Program Director levels on the Child Development Permit Matrix. The Early Intervention program also meets requirements for Family Child Care Providers serving young children with special needs in their homes. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

#### Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 83</td>
<td>Introduction to Early Intervention</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 84</td>
<td>Young Children with Special Needs: Strategies for Intervention</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 85</td>
<td>Managing Challenging Behaviors in ECE Settings</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 86</td>
<td>Career Education in Early Intervention</td>
<td>1</td>
</tr>
<tr>
<td>CHDEV 87</td>
<td>Occupational Work Experience in Early Intervention (1-4)</td>
<td>2</td>
</tr>
</tbody>
</table>

Select one course (3 units) from the following:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 56A</td>
<td>Infant/Toddler Development and Care (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 56B</td>
<td>Curriculum and Environments for Infants and Toddlers (3)</td>
<td></td>
</tr>
<tr>
<td>CHDEV 67</td>
<td>Parenting/Grandparenting (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Units: 15
CURRICULUM PATTERNS AND COURSES

VIOLENCE INTERVENTION AND COUNSELING

The Violence Intervention and Counseling program explores the issues and effects of violence on the development of young children and introduces techniques and skills to diminish the potential for violence in their lives. The Early Intervention Assistant training program prepares childcare paraprofessionals to work with these children in early childhood educational settings. This certificate is awarded to students completing the Safe Start Program. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHDEV 51</td>
<td>Child Growth and Development (formerly Facs 51)</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 53</td>
<td>The Child, the Family and the Community</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 76</td>
<td>Violence: Its Impact on Children and Families</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 77</td>
<td>Introduction to Violence Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CHDEV 78</td>
<td>Field Experience in Violence Intervention</td>
<td>3</td>
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<tr>
<td></td>
<td>Total Required Units:</td>
<td>15</td>
</tr>
</tbody>
</table>

CHDEV 48NA-TZ
Selected Topics in Child Development
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1305.00

CHDEV 49
Independent Study in Child Development
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1305.00

CHDEV 50
Introduction to Early Childhood Education
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Survey of the issues and methodology of early childhood education from a diverse perspective which provides a framework for child development/early childhood studies and professional development: Career options, history, appropriate practices with children, identification of quality child development programs, and nomenclature of the field. 1305.00
AA/AS area 2

CHDEV 51
Child Growth and Development
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as Facs 51.
Acceptable for credit: CSU, UC
Human growth and development: Prenatal through adolescence; interrelationship of physical, social, emotional, and intellectual growth; and adult role in fostering optimal development. 1305.00
AA/AS area 2; CSU area D, E; IGETC area 4

CHDEV 52
Observation and Assessment
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 51
Acceptable for credit: CSU
Overview of current assessment, observation and documentation tools developed to promote a better understanding of children, families, and ECE programs: Support for students’ emergent understanding of their own ability to use classroom observations/assessments in order to improve their practices. 1305.40

CHDEV 53
The Child, the Family and the Community
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Changing patterns and values of the family in modern society: Role and interaction of family members; socio-economic and ethnic factors affecting family life; community resources available for health, education, welfare and recreation. 1305.00
AA/AS area 2; CSU area D

CHDEV 54A
Preschool Education: Theory and Guidance
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 51
Acceptable for credit: CSU
Study of philosophy, theory, guidance techniques and teaching methods appropriate to preschool programs and day care centers: Evaluation of curriculum and physical environments in a variety of community preschools and childcare settings. 1305.40

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CURRICULUM PATTERNS AND COURSES

CHDEV 54B
Introduction to Curriculum
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 51
Chdev 54A is not prerequisite to Chdev 54B
Acceptable for credit: CSU
Overview of the knowledge and skills related to providing appropriate curriculum and environments for children 0-6 and how theories of child development inform classroom practices: Examination of the teacher’s role in facilitating learning in young children with an emphasis on the essential role of active engagement and hands-on learning; overview of content areas, including language and literacy, social and emotional learning, sensory learning, math and science, art and creativity. 1305.40

CHDEV 55A
The Preschool Laboratory
5 units, 2.5 hours lecture, 7.5 hours laboratory (GR or P/NP)
Prerequisite: Chdev 54A and 54B
Acceptable for credit: CSU
Integration of theory and practice in teaching and guidance of young children: Practicum under supervision in Merritt Child Development Center, and application of techniques in meeting individual and group needs of young children. 1305.40

CHDEV 55B
The Preschool Laboratory
5 units, 2.5 hours lecture, 7.5 hours laboratory (GR or P/NP)
Prerequisite: Chdev 55A
Acceptable for credit: CSU
Planning, providing, and evaluating program areas: Over-all supervision in day-to-day running of school, observation-participation in parent education meetings, and dynamics of school-home relationships. 1305.40

CHDEV 56A
Infant/Toddler Development and Care
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 51
Acceptable for credit: CSU
Principles and philosophy of infant care for children up to two years of age: Growth and development, health and nutritional needs, social-emotional needs, cognitive development, language development, development of a positive self image, parent education, community resources, and cultural and ethnic differences. 1305.90

CHDEV 56B
Curriculum and Environments for Infants and Toddlers
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 51
Acceptable for credit: CSU
Introduction to organizing and developing activities for children aged 0-3 years: Focus on practical learning experiences in areas such as arts and crafts, imaginative play, music and movement, learning games; also covers culturally-appropriate activities, room arrangement, and classroom management. 1305.90

CHDEV 57A
Child Growth and Development: Age Six through Adolescence
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 51
Acceptable for credit: CSU
Study of child growth and development from age six through adolescence: Focus on social-emotional, physical, and cognitive development within the family and cultural context; includes observational study of school-age children and adolescents. 1305.50
AA/AS area 2; CSU area D

CHDEV 57B
Curriculum and Programs for School-Age Children
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 51
Acceptable for credit: CSU
Fundamentals of planning and implementing curriculum for “before” and “after” school care of children in grades kindergarten through six: Emphasis on developmental levels and age-appropriate activities. 1305.50

CHDEV 58
Preschool Administration
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 54A and 54B
Required for Children’s Center Supervisor Permit.
Acceptable for credit: CSU
Principles and practices of administration of preschools and/or day care centers: Licensing requirements and regulations, staffing, parents and staff conferences, financial consideration and fiscal reports, operating procedures, and legal aspect of a small business operation. 1305.40
CHDEV 59
Preschool Supervision and Staff Relations
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 54A or 54B
Required for Children’s Center Supervisor Permit.
Course does not fulfill Associate degree requirements at Merritt College.
Acceptable for credit: CSU
Principles, methods and strategies for working with adults in the early childhood education setting: Management of interpersonal and group dynamics of employees, parents, boards and community/advocacy activities. 1305.40

CHDEV 60
Literature for the Young Child
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 50 or 51
Acceptable for credit: CSU
Study of literature suitable for young children: Survey of appropriate materials, criteria for selection, and techniques of presentation. 1305.00

CHDEV 65
Preschool Science Curriculum: Principles and Practices
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 50 or 51
Acceptable for credit: CSU
Study of science experiences suitable for young children: Appropriate materials and equipment, indoor and outdoor science settings, creating and presenting thematic science units based on the child’s sense of wonder and discovery and their relationship to themselves and the world around them. 1305.40

CHDEV 66
Music for Young Children
2 units, 2 hours lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU
Preparation and presentation of musical experiences for young children: Exploration and evaluation of musical games, dances, records, and instruments appropriate for young children. 1305.00

CHDEV 67
Parenting/Grandparenting
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Comprehensive study of parenting/grandparenting styles of yesterday and today: Special attention to parenting children who are at risk because of family and system breakdown. 1305.60

CHDEV 68
Play-Based Curriculum
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 50 or 51
Acceptable for credit: CSU
Principles and practices of play-based curriculum: Role of the teacher in facilitating children’s learning through play-based activities; observation and assessment in planning curriculum. 1305.40

CHDEV 70
Preschool Art Curriculum: Principles and Practices
2 units, 2 hours lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU
Study of the elements of an early childhood art curriculum: Materials, lessons, pragmatic suggestions, environment; experiential hands-on activities and demonstrations; theoretical basis of relationship of art curriculum to the cognitive, emotional, and creative development of young children. 1305.40

CHDEV 71
The Business of Early Childhood Education
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Chdev 58
Acceptable for credit: CSU
Comprehensive study of current business, administrative, and management skills needed by professionals in the child development field: Business structures, fiscal operations, personnel and program management, and career options with practical applications; includes a self-assessment and personal business plan which allows students to set and meet realistic goals. 1305.80

CHDEV 72
Overview of Operations of Family Child Care Home
2 units, 2 hours lecture (GR or P/NP)
Course does not fulfill Associate degree requirements at Merritt College.
Acceptable for credit: CSU
Practical skills for setting up and operating a family child care home business: Major factors in operating a family day care home, creation of an optimum child care environment, infant and preschool development, relationships with families, community partners, parent communication, health and safety issues, legal requirements, and business considerations. 1305.80
CURRICULUM PATTERNS AND COURSES

CHDEV 74
Preschool Health, Safety, and Nutrition
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety, and nutrition: Identifying key components that ensure physical health, mental health, and safety for both children and staff along with the importance of collaboration with families and health professionals with focus on integrating the concepts into everyday planning and program development for all children. 1305.40

CHDEV 75
Supervising Adults in Early Childhood Programs
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 54A and 54B
Acceptable for credit: CSU
Supervision of adults in early childhood education programs: Study of the methods and principles of supervising teachers, aides, student teachers, parents and volunteers in early childhood settings and preschool programs; focus on leadership styles, principles and practices of supervision, and developmental supervision. 1305.80

CHDEV 76
Violence: Its Impact on Children and Families
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 51 and 53
Acceptable for credit: CSU
Exploration of violence in America and its impact on adults and children who experience it: Perspective on violence, what may cause it, possible intervention and counseling strategies, and community resources for prevention and intervention. 1305.00

CHDEV 77
Introduction to Violence Counseling
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Chdev 76
Acceptable for credit: CSU
Overview of various approaches to violence intervention and counseling: Working with children and families who have experienced stress and chronic violence. 1305.00

CHDEV 78
Field Experience in Violence Intervention
3 units, 1 hour lecture, 6 hours laboratory (GR or P/NP)
Prerequisite: Chdev 77
Acceptable for credit: CSU
Introduction to field experience in violence intervention: Practicum to apply counseling and early childhood techniques in early childhood settings with children from diverse cultures who may be experiencing violence in their lives. 1305.00

CHDEV 79
Anti-Bias Curriculum
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Study of methods used to empower young children to think critically about issues of racism, sexism, handicap, and injustice: Focus on creating a culturally-relevant teaching environment that fosters cognitive, emotional, and behavioral skills needed to learn about similarities and differences in people. 1305.00

CHDEV 80
Teaching in a Diverse Society
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Examination of the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms and teaching: Exploring various classroom strategies while emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society; self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media and schooling. 1305.00

CHDEV 83
Introduction to Early Intervention
3 units, 3 hours lecture (GR)
Recommended preparation: Chdev 51
Acceptable for credit: CSU
Introduction to the field of early intervention/special education: Focus on the historical, philosophical, and legislative background of the special education system; characteristics of children with special needs; impact on families; approaches to curriculum and assessment; types of programs; and community resources. 1305.20
CHDEV 84  
**Young Children with Special Needs: Strategies for Intervention**  
3 units, 3 hours lecture (GR)  
Acceptable for credit: CSU  
Current strategies and trends in working with children with special needs and their families: Characteristics of young children with disabilities and other special learning needs, impact on family including the grief process, special needs program models, service delivery approaches and different intervention strategies, and program planning, teaching and interdisciplinary considerations; emphasis on providing and modifying services in inclusive early childhood educational settings. 1305.20

CHDEV 85  
**Managing Challenging Behaviors in ECE Settings**  
3 units, 3 hours lecture (GR)  
Acceptable for credit: CSU  
Comprehensive study of the genetic, environmental and cultural factors that impact the behavior of young children: Family stressors, child temperament, violence, and special needs; and proactive intervention and prevention techniques such as behavior management, classroom management, relaxation exercises, and individual education plans. 1305.20

CHDEV 86  
**Career Education in Early Intervention**  
1 unit, 1 hour lecture (GR)  
Prerequisite: Chdev 83 and 84  
Corequisite: Chdev 87  
Acceptable for credit: CSU  
Study of the specific competencies required for child development and early intervention paraprofessionals who work with infants, toddlers and young children with special needs in early education settings: Room arrangement, assessment, observation, and intervention planning skills that are culturally sensitive to the unique needs of children with disabilities. 1305.20

CHDEV 87  
**Occupational Work Experience in Early Intervention**  
1-4 units, hours to be arranged (GR)  
Corequisite: Chdev 86  
Acceptable for credit: CSU  
Course study under this section may be repeated one time for a maximum of 8 units. Occupational work experience relating skills learned to practical application in approved early education settings with weekly supervision: Observations and assessments of and services provided to infants, toddlers and young children with special needs and their families. 150 hours of verified work experience are required. 1305.20

CHDEV 99  
**Early Childhood Environmental Education**  
3 units, 3 hours lecture (GR or P/NP)  
Also offered as Envmt 9. Not open for credit to students who have completed or are currently enrolled in Envmt 9.  
Acceptable for credit: CSU  
Introduction to early childhood environmental education: Development of safe, age/developmentally-appropriate activities that connect young children with the wonder of their natural surroundings; multidisciplinary focus on environmental education and its relationship to other aspects of early childhood education such as science, literacy, art, and music curriculum; curriculum development and strategies for preparation of successful lesson plans for classrooms, schoolyards and parks. 1305.00

CHDEV 220  
**Family Child Care for the Beginning Provider**  
1 unit, 1 hour lecture (GR or P/NP)  
Setting up and operating a family child care business: Creation of an optimum child care environment, business practices, relationships with parents, impact of child care on the provider’s family, self reflection of suitability to the field. 1305.80

CHDEV 221  
**Family Child Care for the Experienced Provider**  
1 unit, 1 hour lecture (GR or P/NP)  
Issues for the experienced family child care provider: Improving business skills, group care, emotional development of children, special needs, and improving communication skills. 1305.80
CHDEV 222A  
Key Issues in Child Development: Infant/Toddler I  
1 unit, 1 hour lecture (GR or P/NP)  
Recommended preparation: ESL 290 or 294 (can be taken concurrently)  
Taught in a language other than English: This is a bridge course that moves students toward basic mastery of the language of the program.  
Key issues in caring for infants and toddlers: Child rearing practices in native country; comparative school, parental and societal expectations in native country and U.S.; child rearing issues specific to infants and toddlers in immigrant families. 1305.90

CHDEV 222B  
Key Issues in Child Development: Infant/Toddler II  
1 unit, 1 hour lecture (GR or P/NP)  
Recommended preparation: ESL 226A (can be taken concurrently)  
Key issues in caring for infants and toddlers: Focus on growth and development of infants and toddlers, appropriate care for stages of development, health and safety issues, and parent-provider relationships. 1305.90

CHDEV 222A  
Key Issues in Child Development: Infant/Toddler I  
1 unit, 1 hour lecture (GR or P/NP)  
Recommended preparation: ESL 290 or 294 (can be taken concurrently)  
Taught in a language other than English: This is a bridge course that moves students toward basic mastery of the language of the program.  
Key issues in caring for school-age children: Child rearing practices in native country; comparative school, parental and societal expectations in native country and U.S.; child rearing issues specific to school-age children in immigrant families. 1305.50

CHDEV 222B  
Key Issues in Child Development: Infant/Toddler II  
1 unit, 1 hour lecture (GR or P/NP)  
Recommended preparation: ESL 226A (can be taken concurrently)  
Key issues in caring for school-age children: Focus on growth and development of school-age children, appropriate care for stages of development, and parent-provider relationships. 1305.50

CHDEV 223A  
Key Issues in Child Development: Preschool Children I  
1 unit, 1 hour lecture (GR or P/NP)  
Recommended preparation: ESL 290 or 294 (can be taken concurrently)  
Taught in a language other than English: This is a bridge course that moves students toward basic mastery of the language of the program.  
Key issues in caring for preschoolers, ages 2-5 years: Child rearing practices in native country; comparative school, parental and societal expectations in native country and U.S.; child rearing issues specific to preschoolers in immigrant families. 1305.40

CHDEV 223B  
Key Issues in Child Development: Preschool Children II  
1 unit, 1 hour lecture (GR or P/NP)  
Recommended preparation: ESL 226A (can be taken concurrently)  
Key issues in caring for preschoolers, ages 2-5 years: Focus on growth and development, quality indicators of care, understanding the role of culture in the lives of young children and their families, parent-provider relationships, and professional/personal growth for caregivers. 1305.40
CHDEV 226A
Introduction to Preschool Curriculum I
1 unit, 1 hour lecture (GR or P/NP)
Recommended preparation: ESL 290 or 294 (can be taken concurrently)
Taught in a language other than English: This is a bridge course that moves students toward basic mastery of the language of the program.
Key issues in developing curriculum for preschool children: Curriculum in native country; comparison of school, parental and societal expectations in native country and U.S. regarding learning experiences, activities, materials, and equipment specific to preschool-age children in immigrant families. 1305.40

CHDEV 226B
Introduction to Preschool Curriculum II
1 unit, 1 hour lecture (GR or P/NP)
Recommended preparation: ESL 226A (can be taken concurrently)
Introduction to curriculum appropriate to the preschool child based on child development principles: Appropriate play, aesthetic and learning experiences including developing a lesson plan, use of materials and equipment, and creative activities to nurture the whole child; includes hands-on demonstration of curriculum ideas and learning activities. 1305.40

CHDEV 230A
Introduction to School-Age Curriculum I
1 unit, 1 hour lecture (GR or P/NP)
Recommended preparation: ESL 290 or 294 (can be taken concurrently)
Taught in a language other than English: This is a bridge course that moves students toward basic mastery of the language of the program.
Key issues in developing curriculum for school-age children: Curriculum in native country; comparison of school, parental and societal expectations in native country and U.S. regarding learning experiences, activities, materials, and equipment specific to school-age children in immigrant families. 1305.50

CHDEV 230B
Introduction to School-Age Curriculum II
1 unit, 1 hour lecture (GR or P/NP)
Recommended preparation: ESL 226A (can be taken concurrently)
Introduction to curriculum appropriate to the school-age child based on child development principles: Appropriate play, aesthetic and learning experiences including developing a lesson plan, use of materials and equipment, and creative activities to nurture the whole child; hands-on demonstration of curriculum ideas and learning activities. 1305.50

CHDEV 246
Emergent Topics: Best Practices for Working with Children
.5-2 units, .5-2 hours lecture (GR or P/NP)
A maximum of two units combined from any Emergent Topics course can be applied toward the Child Development Assistant Teacher or Teacher certificates or the Child Development degree major.
Course study under this section may be repeated three times for a maximum of two units.
Best practices for children from birth to school age: Topics may include social-emotional development, diversity, special needs, literacy, professional development, partnering with families, public policy and current research. 1305.00

CHDEV 248NA-TZ
Selected Topics in Child Development
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1305.00

CHINESE (CHIN)

CHIN 1
Elementary Chinese (Mandarin)
5 units, 5 hours lecture (GR or P/NP)
Course is equivalent to two years of high school study. Acceptable for credit: CSU, UC
Introduction to elementary Chinese: Pronunciation, grammar, sentence patterns, practical vocabulary, and aural-oral exercises in speaking and understanding Mandarin Chinese of Pu Tong Hua. 1107.00
AA/AS area 3; CSU area C2; IGETC Language

CHIN 2
Elementary Chinese (Mandarin) (Continuation)
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: Chin 1.
Acceptable for credit: CSU, UC
Continuation of CHIN 1: Study and practice in speaking, understanding, reading, and writing Mandarin Chinese characters. 1107.00
AA/AS area 3; CSU area C2; IGETC area 3B
COMMUNICATION (COMM)

Communication skills are essential to forming and maintaining personal relationships, acquiring and excelling in a job, and relating to the world around us. Through the study and practice of interpersonal, professional, and intercultural communication skills, students will learn how their perceptions and self-esteem affect their interactions with others. Beyond this, students will improve their abilities to speak, write, and present information effectively, whether in face-to-face interactions or in public or mass-media settings.

The Communication program prepares students for transfer to a four-year college or university to obtain a degree in Communication or a related Social Science field. The courses in the program also improve job attainment and performance skills, providing students with the training necessary for public speaking, customer service, conflict resolution, and interviewing. Students who complete the AA degree requirements in Communication will learn and practice cultural awareness, situation analyses, and goal-oriented solutions to practical problems, giving them valuable assets in their future relationships and workplaces. Lastly, this course of study improves students’ logic and reasoning skills, thus providing the foundation for understanding math and science, the world around them, and the skills and insights necessary to think through ethical issues and achieve their goals. The AA degree in Communication will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

(Pending State approval)

**Degree Major Requirements:**

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 6</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>COMM 45</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Select a minimum of 9 units from the following:</strong></td>
<td></td>
</tr>
<tr>
<td>COMM 4</td>
<td>Dynamics of Group Discussion</td>
<td></td>
</tr>
<tr>
<td>COMM 10</td>
<td>Gender and Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 13</td>
<td>Mass Media and Cultural Perceptions</td>
<td></td>
</tr>
<tr>
<td>COMM 18</td>
<td>Aging and Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 19</td>
<td>Survey of Mass Media</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Required Units:</strong></td>
<td>18</td>
</tr>
</tbody>
</table>

**COMM 4**
**The Dynamics of Group Discussion**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of communication in a group setting: Emphasis on listening, leadership, and teamwork; theoretical and experiential learning to build on individual communication skills with the goal of understanding and practicing successful group skills. 1506.00
AA/AS area 4d; CSU area A1; IGETC area 1C

**COMM 6**
**Intercultural Communication**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Dynamics of intercultural communication as it applies to the diversity of American cultures: Cultural concepts, language style, content, ethnic perspectives, perceptions and stereotypes, symbols, and roles as they facilitate or hinder effective verbal and nonverbal interaction across cultures. 1506.00
AA/AS area 2, 4d; CSU area D; IGETC area 4

**COMM 10**
**Gender and Communication**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Exploration of the relationship between gender and communication: Interpersonal, mediated, social, organizational, and cultural contexts; gender in public and private settings, media images, and personal identities. 1506.00
AA/AS area 2, 4d; CSU area D; IGETC area 4

**COMM 13**
**Mass Media and Cultural Perceptions**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Role of mass media in perceptions of race, gender, disability, and other cultural identities: Examination of social and psychological development of stereotypes and other perceptions. 1506.00
AA/AS area 2, 5, CSU area D, IGETC area 4

**COMM 18**
**Aging and Communication**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Human development and communication: Exploration of human physical, social, and psychological development across the life span. 1506.00
AA/AS area 2; CSU area D, E; IGETC area 4
COMM 19
Survey of Mass Media
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC (pending)
Survey of traditional and non-traditional mass media in America: Impact of mass media trends and technology into the 21st century; critical analysis of media messages and examination of mass media from historical, political, social, and cultural perspectives. 1506.00
AA/AS area 2

COMM 20
Interpersonal Communication Skills
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Analysis of communication needs and improvement of skills: Listening, perception, nonverbal communication, semantics, and conflict management. 1506.00
AA/AS area 4d; CSU area A1; IGETC area 1C

COMM 22
History of Mass Communication
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
History of communication: Exploration of human efforts to communicate to the masses, from block printing in the eighth century A.D. to new technology of today. 1506.00
AA/AS area 2; CSU area D; IGETC area 4

COMM 45
Public Speaking
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Principles of public speaking: Oral presentations based on political and social issues; critical thinking, organization, and research. 1506.00
AA/AS area 4d; CSU area A1; IGETC area 1C

COMM 48NA-TZ
Selected Topics in Communication
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1506.00

COMM 49
Independent Study in Communication
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1506.00

COMM 220A
Communication for Employment Preparation
.5 units, .5 hours lecture (P/NP)
Recommended for students with acquired brain injury or cognitive disabilities.
Hands-on basic social skills instruction and support useful for relationships and work: Practice of interpersonal skills through role play with support and feedback from instructor. Greetings, small talk, initial meetings and appropriate nonverbals; self-disclosure in a first meeting. 1506.00

COMM 220B
Communication for Employment Preparation
.5 units, .5 hours lecture (P/NP)
Recommended for students with acquired brain injury or cognitive disabilities.
Hands-on basic social skills instruction and support useful for relationships and work: Practice of interpersonal skills through role play with support and feedback from instructor. Building and maintaining relationships, how to increase depth of self-disclosures, listening training and paraphrasing. 1506.00

COMM 220C
Communication for Employment Preparation
.5 units, .5 hours lecture (P/NP)
Recommended for students with acquired brain injury or cognitive disabilities.
Hands-on basic social skills instruction and support useful for relationships and work: Practice of interpersonal skills through role play with support and feedback from instructor. Conflict management, “I” statements, diffusing conflict, listening for areas of agreement, clearly stating your needs and goals. 1506.00

COMM 220D
Communication for Employment Preparation
.5 units, .5 hours lecture (P/NP)
Recommended for students with acquired brain injury or cognitive disabilities.
Hands-on basic social skills instruction and support useful for relationships and work: Practice of interpersonal skills through role play with support and feedback from instructor. Nonverbal communication; interpreting other people’s facial expressions, body movements, vocal cues; learning to give off the proper communication using nonverbal communication. 1506.00
COMM 220E
Communication for Employment Preparation
.5 units, .5 hours lecture (P/NP)
Recommended for students with acquired brain injury or cognitive disabilities.
Hands-on basic social skills instruction and support useful for relationships and work: Practice of interpersonal skills through role play with support and feedback from instructor. Phone skills at home and work; talking with customers, taking a message, high-level listening; when to get assistance. 1506.00

COMM 220F
Communication for Employment Preparation
.5 units, .5 hours lecture (P/NP)
Recommended for students with acquired brain injury or cognitive disabilities.
Hands-on basic social skills instruction and support useful for relationships and work: Practice of interpersonal skills through role play with support and feedback from instructor. Interviewing skills, presenting one’s self in an honest and positive way, controlling nonverbal during stress, asking appropriate questions, listening. 1506.00

COMM 248NA-TZ
Selected Topics in Communication
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1506.00

COMMUNITY SOCIAL SERVICES
(COMSER)
The Community Social Services program is designed to prepare students for employment in entry-level professional positions in the social services, as well as some of the other human services. The Substance Abuse program is designed to prepare students for employment in entry-level paraprofessional positions providing counseling, case management, crisis management, and relapse prevention services to substance abuse clients. Both programs also prepare students for transfer to four-year institutions, offer further training for persons already employed, or provide students the opportunity to explore for vocational choice. The Substance Abuse program requirements comply with CAADe (California Association on Alcohol and Drug Education) guidelines.

The two majors in this program, Community Social Services and Substance Abuse, are both offered for the Associate degree and the certificate. To qualify for the AA degree in either major, students must satisfactorily complete the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

COMMUNITY SOCIAL SERVICES
Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>COSER 9</td>
<td>Self-Development for Human Services</td>
<td>3</td>
</tr>
<tr>
<td>COSER 10</td>
<td>Community Resources and Social Policy</td>
<td>3</td>
</tr>
<tr>
<td>COSER 16A</td>
<td>Communication: Theory and Practice</td>
<td>2-3</td>
</tr>
<tr>
<td>COSER 16B</td>
<td>Communication: Families in Crisis</td>
<td>3</td>
</tr>
<tr>
<td>COSER 20</td>
<td>Group Dynamics: Working With Small Groups</td>
<td>2-3</td>
</tr>
<tr>
<td>COSER 40A</td>
<td>Community Social Services Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>COSER 40B</td>
<td>Community Social Services Field Experience</td>
<td>3</td>
</tr>
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</table>

Total Required Units: 19-21
## CURRICULUM PATTERNS AND COURSES

### SUBSTANCE ABUSE

**Degree Major/Certificate of Achievement Requirements:**

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COSER 21</td>
<td>Psychology/Pharmacology of Drugs of Abuse</td>
<td>3-4</td>
</tr>
<tr>
<td>COSER 29</td>
<td>Working with Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>COSER 40A</td>
<td>Community Social Services Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>COSER 42</td>
<td>Counseling Skills and Substance Abuse</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Semester Total:</td>
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</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COSER 16B</td>
<td>Communication: Families in Crisis</td>
<td>3</td>
</tr>
<tr>
<td>COSER 20</td>
<td>Group Dynamics: Working with Small Groups</td>
<td>2-3</td>
</tr>
<tr>
<td>COSER 27</td>
<td>Crisis Management for Substance Abuse</td>
<td>3</td>
</tr>
<tr>
<td>COSER 40B</td>
<td>Community Social Services Field Experience</td>
<td>3</td>
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<tr>
<td></td>
<td>Semester Total:</td>
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<tr>
<td><strong>THIRD SEMESTER</strong></td>
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</tr>
<tr>
<td>COSER 10</td>
<td>Community Resources and Social Policy</td>
<td>3</td>
</tr>
<tr>
<td>COSER 26</td>
<td>Case Management for Substance Abuse Paraprofessionals</td>
<td>3</td>
</tr>
<tr>
<td>COSER 28</td>
<td>Dual Diagnosis: Mental Illness and Drug Abuse</td>
<td>3</td>
</tr>
<tr>
<td>COSER 40C</td>
<td>Community Social Services Field Experience</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Semester Total:</td>
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<tr>
<td><strong>FOURTH SEMESTER</strong></td>
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</tr>
<tr>
<td>COSER 22</td>
<td>Social Psychology of Substance Abuse</td>
<td>3</td>
</tr>
<tr>
<td>COSER 25</td>
<td>Maintaining Sobriety and Relapse Prevention</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1A</td>
<td>Composition and Reading (4)</td>
<td>3</td>
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<tr>
<td>or</td>
<td>College Composition and Reading (4)</td>
<td>4</td>
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<tr>
<td>ENGL 100*</td>
<td>Preparation for Composition and Reading (4)</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 201A*</td>
<td>Exploring Health Issues</td>
<td>3</td>
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<tr>
<td>HLTED 1</td>
<td>Exploring Health Issues</td>
<td>3</td>
</tr>
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<td></td>
<td>Semester Total:</td>
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<tr>
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<td><strong>Total Required Units:</strong></td>
<td>48-50</td>
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</table>

*Engl 201A is not transferable, and Engl 100 does not meet English composition transfer requirements. Engl 1A is required for transfer and for the Associate degree.

**COSER 9**
**Self Development for Human Services Workers**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Examination of attitudes and values basic to human services work: Exploration of personal characteristics which facilitate helping relationships. 2104.00

**COSER 10**
**Community Resources and Social Policy**
3 units, 3 hours lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Identification of major social resources: Selective investigation of service agencies through direct observations in the community, followed by study and analysis; evolution of social welfare as an institution; relationship to socio-economic and political forces, and cultural values; changing approaches to social provision, decision making, and policy formation. 2104.00
AA/AS area 2; CSU area D; IGETC area 4

**COSER 16A**
**Communication: Theory and Practice**
2-3 units, 2-3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Communication in the helping professions: Observation and listening skills, conflict resolution, decision making, interviewing, and written communication. 2104.00
AA/AS area 4d (if course taken for 3 or more units); CSU area E

**COSER 16B**
**Communication: Families in Crisis**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Principles and methods relating to understanding and working with individuals and families in crisis situations: Examination of family process, rules, and interaction through presentation of theoretical material and involvement in role play situations; short-term counseling techniques and skills. 2104.00

**COSER 20**
**Group Dynamics: Working with Small Groups**
2-3 units, 2-3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Theory and practice of small groups through participation in problem situations which occur in the life of a group: Stages of group development, group climate, roles and leadership. 2104.00
CSU area E
CURRICULUM PATTERNS AND COURSES

COSER 21
Psychology/Pharmacology of Drugs of Abuse
3-4 units, 3-4 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to the phenomena of psychoactive substances on human behavior and the human body: Examines factors involved in addiction, both physical and psychological; and examines psychological and physiological effects of various categories of psychoactive substances. 2104.40

COSER 22
Social Psychology of Substance/Drug Abuse
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Overview of the social psychology of substance and drug abuse in the United States: Substance abuse in the context of culture and life styles, mores, needs, attitudes, and values of substance abusers as reflected in addiction and in vulnerability to addiction; physical and psychological outcomes of drug addiction; treatment for drug addiction; drug use and its impact on specific populations; and exploration of careers associated with substance abuse and alcohol/drug treatment programs. 2104.40

COSER 24
Human Development
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Survey of human development from childhood through old age: Problems and challenges of individual development considered as a psychological, social, intellectual and physical process. 2104.00
AA/AS area 2; CSU area D, E; IGETC area 4

COSER 25
Maintaining Sobriety and Relapse Prevention
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Examination of the dynamics and other variables involved in the establishment of sobriety: Dynamics of addiction; steps, practices, and other factors in maintenance of sobriety; and approaches and techniques to preventing relapse, including life orientation and maintaining success in recovery. 2104.40

COSER 26
Case Management for Substance Abuse Paraprofessionals
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Study of basic principles of case management for paraprofessionals in the treatment of addiction and substance abuse: Principles and processes of intake, screening, assessment, referral, development of treatment plans, and issues of confidentiality and ethics; importance and value of interdisciplinary collaboration in the treatment of addiction. 2104.40

COSER 27
Crisis Management for Substance Abuse
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Study of the basic principles and skills needed to deal with crisis situations arising in the treatment of drug addicts, alcoholics, substance abusers, and individuals with psychological disabilities or mental illness: Crisis intervention protocols and procedures for dealing with suicide, criminal behavior, aggression, domestic violence, sexual abuse, and post-traumatic stress disorder (PTSD). 2104.40

COSER 28
Dual Diagnosis: Mental Illness and Drug Abuse
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Assessment, referral, and paraprofessional collaboration in working with substance abusers with psychological disabilities or mental illness: Prevalence and parallels of psychological/mental disabilities and substance abuse; treatment and recovery issues relating to the combination of both; types of mental health issues found with addiction, with specific focus on antisocial and borderline personality disorders as they relate to substance abuse; diagnostic criteria, assessment techniques, counseling techniques for paraprofessionals, risk factors, and relapse prevention. 2104.40
CURRICULUM PATTERNS AND COURSES

**COSE 29**  
**Working with Diverse Populations**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Examination of the various ethnic, racial, and other diverse groups (disability, sexual orientation, etc.) that make up the population of American society: Historical context of the experiences and treatment of various U.S. minority groups (African-Americans, Mexicans, Native Americans, the Irish, Chinese, and other diverse groups); government policies and laws and their impact on these various groups; and society’s response to physical and psychological/mental disabilities. 2104.40  
AA/AS area 2, 5; CSU area D, E

**COSE 40**  
**Community Social Services Field Experience**  
3 units, 2 hours lecture, 8 hours field experience weekly (GR)  
Acceptable for credit: CSU  
Course study under this section may be repeated two times for a maximum of 9 units.  
Field work under supervision in community organizations and projects: Working with people in human services settings, combined with participation in weekly seminar to integrate academic learning with the field experience. 2104.00

**COSE 41**  
**Substance Abuse and the Law**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Overview of the civil and criminal justice system with particular reference to substance abuse: Knowledge needed by service workers and police officers who deal with legal problems experienced by substance abusers.  
2104.40

**COSE 42**  
**Counseling Skills and Substance Abuse**  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Investigation of counseling skills with particular application to substance abuse: Skills needed by those working with substance abusers in a group/resident setting and in a social model program. 2104.40

**COSE 48NA-TZ**  
**Selected Topics in Community Social Services**  
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)  
See Section on Selected Topics.  
2104.00

**COSE 49**  
**Independent Study in Community Social Services**  
.5-5 units (GR or P/NP)  
Course study under this section may be repeated three times.  
See Section on Independent Study.  
2104.00

**COSE 248NA-TZ**  
**Selected Topics in Community Social Services**  
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)  
See Section on Selected Topics.  
2104.00
COMPUTER INFORMATION SYSTEMS (CIS)

INTERNET PROGRAMMING

The Internet Programming program prepares students for entry-level positions in Internet programming. Students completing this certificate will be able to develop interactive web sites, either as front-end site solutions or back-end data gathering and manipulation; or will develop stand-alone, custom applications with Internet functionality. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 36A</td>
<td>Java Programming Language I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 64</td>
<td>Internet Programming in JavaScript</td>
<td>2</td>
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<tr>
<td>CIS 65</td>
<td>CGI Programming</td>
<td>2</td>
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<tr>
<td>CIS 66</td>
<td>XML Documents and Applications</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234A</td>
<td>World Wide Web Publishing I</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234B</td>
<td>World Wide Web Publishing II</td>
<td>2</td>
</tr>
<tr>
<td>Total Required Units:</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

WEB PAGE AUTHORING

The Web Page Authoring program prepares students for entry-level positions in web page designing. Students completing this certificate will be able to develop interactive web pages which utilize digital video, audio, and animation features with Internet functionality. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
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<tr>
<td>CIS 233</td>
<td>Introduction to the Internet</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234A</td>
<td>World Wide Web Publishing I</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234B</td>
<td>World Wide Web Publishing II</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234C</td>
<td>Web Creation with Dreamweaver</td>
<td>2</td>
</tr>
<tr>
<td>CIS 242A</td>
<td>Digital Animation with Flash</td>
<td>2</td>
</tr>
<tr>
<td>CIS 242B</td>
<td>Digital Video</td>
<td>2</td>
</tr>
<tr>
<td>CIS 242C</td>
<td>Digital Audio Production I</td>
<td>2</td>
</tr>
<tr>
<td>Total Required Units:</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

PC APPLICATIONS HELP DESK SPECIALIST

The PC Applications Help Desk Specialist program prepares students for entry-level positions in computer help-desk positions. Students completing this certificate will be able to assist clients or other employees in solving user problems with computer hardware, operating system, and software applications. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BUS 5</td>
<td>Human Relations in Business</td>
<td>3</td>
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<tr>
<td>CIS 1</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
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<tr>
<td>CIS 35</td>
<td>Microcomputer Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 201</td>
<td>Introduction to Computer Hardware</td>
<td>4</td>
</tr>
<tr>
<td>CIS 239</td>
<td>Help Desk Tools and Techniques</td>
<td>2</td>
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<td>Total Required Units:</td>
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WEB PUBLISHING

A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
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<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CIS 233</td>
<td>Introduction to the Internet</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234A</td>
<td>World Wide Web Publishing I</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234B</td>
<td>World Wide Web Publishing II</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234D</td>
<td>Web Authoring</td>
<td>2</td>
</tr>
<tr>
<td>CIS 234E</td>
<td>Creating an E-Commerce Web Site</td>
<td>2</td>
</tr>
<tr>
<td>Total Required Units:</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

CIS 1

Introduction to Computer Information Systems

4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)

Acceptable for credit: CSU, UC

General nature of computer hardware, software and systems: Hands-on applications include introduction to word processing, spreadsheet, database management and presentation software, and a brief introduction to web browsing and e-mail. 0702.00

AA/AS area 4c
CIS 5
Introduction to Computer Science
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to computer science: Architecture of digital computers, design of algorithms for solving various problems, and basic skills in computer programming. 0706.00
AA/AS area 4c

CIS 6
Introduction to Computer Programming
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 5
Acceptable for credit: CSU, UC
Introduction to computer programming: Algorithm design, flow charting, and debugging; elements of good programming style. Course may be instructed in any programming language. 0707.10
AA/AS area 4c

CIS 20
Microcomputer Assembly Language
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 3 or 6 or 12 or 26
Acceptable for credit: CSU, UC
Introduction to assembly language: Input/output operations, use of files, program flow controls, interaction with OS via interrupts, pointers and arrays, strings and structured programming, and related applications. 0707.10
AA/AS area 4c

CIS 35
Microcomputer Operating Systems
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 1 or 5
Acceptable for credit: CSU
Microcomputer operating systems: Selection, use and programming with operating systems, concentrating on the personal computer. 0702.00
AA/AS area 4c

CIS 36A
Java Programming Language I
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: CIS 25 or 26 or 215
Recommended preparation: CIS 233 or 237
Acceptable for credit: CSU, UC
Introduction to object-oriented program design: Overview of the Java programming language including developing applets for web pages and stand-alone applications. 0707.10
AA/AS area 4c

CIS 40
Database Management
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 1 or 5
Acceptable for credit: CSU
Design, implementation, and maintenance of databases: Analysis of user requirements; building tables, queries, forms, reports, and other topics. 0702.10
AA/AS area 4c

CIS 42
Spreadsheet Applications
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 1 or 5 or 200
Course is equivalent to CIS 42A and 42B. Not open for credit to students who have completed or are currently enrolled in CIS 42A and/or 42B.
Acceptable for credit: CSU
Principles of electronic spreadsheets using features available with current popular spreadsheet software: Worksheet creation, formatting and charting; entering data and formulas; functions; editing and printing; web queries; basic database functions of sorting and querying; creating web pages; logical functions; lookup tables; Pivot Tables, Pivot Charts, and trendlines; graphic design for financial statements; creating templates; using macros. 0702.10
AA/AS area 4c

CIS 48NA-TZ
Selected Topics in Computer Information Systems
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0702.00
AA/AS area 4c (if course taken for one or more units)
CIS 49
Independent Study in Computer Information Systems
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 0702.00
AA/AS area 4c (if course taken for one or more units)

CIS 64
Internet Programming in JavaScript
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: CIS 16 or 26, and 234A
Recommended preparation: CIS 36
Acceptable for credit: CSU
Development of web-based interactive programs using JavaScript. 0707.10
AA/AS area 4c

CIS 65
CGI Programming
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: CIS 16 or 26, and 234A
Recommended preparation: CIS 39A and 234B
Acceptable for credit: CSU
Implementation of CGI applications in PERL and C:
Emphasis on form handlers, shopping carts, search pages, and database access. 0707.10
AA/AS area 4c

CIS 66
XML Documents and Applications
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: CIS 234A
Recommended preparation: CIS 234B
Acceptable for credit: CSU
Development of documents and applications using the eXtensible Markup Language (XML and XSL for data translation): Web document-authoring meta-language used to separate data from its visual representation. 0707.10
AA/AS area 4c

CIS 200
Computer Concepts and Applications
1.5 units, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Eligible for credit by examination.
Introduction to computer concepts: Terminology, word processing, spreadsheets, database management, presentation graphics, and the Internet. 0702.10
AA/AS area 4c

CIS 201
Introduction to Computer Hardware
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Course is equivalent to CIS 201A and 201B. Not open for credit to students who have completed or are currently enrolled in CIS 201A and/or 201B.
Introduction to computer hardware: Maintaining and servicing computer equipment, fundamental concepts and architecture, major computer subsystems and peripheral devices, common computer problems, troubleshooting techniques, repair procedures and preventive maintenance; examines traditional, current and emerging computer technologies. 0708.20
AA/AS area 4c

CIS 205
Computer Literacy
1 unit, 14 term hours lecture, 14 term hours laboratory (GR or P/NP)
Also offered as Bus 219. Not open for credit to students who have completed or are currently enrolled in Bus 219.
Eligible for credit by examination.
Introduction to computers and information technology for people with no background in nor knowledge of computers. 0701.00
AA/AS area 4c

CIS 209
Introduction to Windows
1 unit, .75 hours lecture, .75 hours laboratory (GR or P/NP)
Recommended preparation: CIS 205
Eligible for credit by examination.
Introduction to graphical user interfaces using Microsoft Windows. 0702.00
AA/AS area 4c
CURRICULUM PATTERNS AND COURSES

CIS 233
Introduction to the Internet
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: CIS 205
Also offered as Bus 223. Not open for credit to students who have completed or are currently enrolled in Bus 223.
Using the Internet for access to information resources: Access methods, resources, and how to use them. 0709.00
AA/AS area 4c

CIS 234A
World Wide Web Publishing I
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: CIS 233 and Grart 112
Creating and publishing Web pages over the Internet using the Hypertext Markup Language (HTML). 0709.00
AA/AS area 4c

CIS 234B
World Wide Web Publishing II
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: CIS 233 and 234A
Recommended preparation: Grart 112
Continuation of CIS 234A: Emphasis on advanced HTML and layout techniques, client-side image maps, CGI scripting, introduction to Cascading style sheets and dynamic scripting. 0709.00
AA/AS area 4c

CIS 234C
Web Creation with Dreamweaver
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: CIS 234B
Recommended preparation: CIS 1
Creation and management of web sites and pages using Macromedia Dreamweaver: Authoring of web sites which incorporate DHTML, JavaScript through “behaviors,” rollovers, and techniques for managing large-scale web sites. 0709.00
AA/AS area 4c

CIS 234D
Web Authoring
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: CIS 234A
Art of web design and the power of web authoring in website content management and functionality: Website templates, customization, layout tables, interactive forms, frames, database interface, wizards, source controls, dynamic layers, instant updates, multimedia content, subsite and website management. 0709.00
AA/AS area 4c

CIS 234E
Creating an E-Commerce Web Site
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: CIS 234A
Business strategies and programming techniques in the design and development of an electronic commerce web presence: Banner ads, auto responders, product catalogs, shopping carts, cookies, electronic payment systems, online database and website security management. 0709.00
AA/AS area 4c

CIS 239
Help Desk Tools and Techniques
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Help desk tools and techniques: Troubleshooting problems on computer systems, both networked and stand-alone; customer-service skills for success; use of help-desk software. 0708.20
AA/AS area 4c

CIS 242A
Digital Animation with Flash
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: CIS 234A
Recommended preparation: CIS 1
Introduction to digital animation using Macromedia Flash: Creating digital animation and interactive vector graphics/content for the Internet and other applications. 0702.10
AA/AS area 4c
CURRICULUM PATTERNS AND COURSES

CIS 242B
Digital Video
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: CIS 234A
Recommended preparation: CIS 1
General overview of digital video: Editing techniques, formats and compression schemes for distribution of digital video via CDs and over the web; hands-on experience in creating short digital videos for the web, presentations, and multimedia applications distributed via CD-ROM. 0702.10
AA/AS area 4c

CIS 242C
Digital Audio Production I
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Corequisite: CIS 1 or 5 or 205
Creation of digital audio for radio, music, internet, film and video: Digital audio theory, recording, editing, mixing, and mastering of sound using Pro Tools Digital Audio Workstation. 0702.10
AA/AS area 4c

CIS 248NA-TZ
Selected Topics in Computer Information Systems
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0702.00
AA/AS area 4c (if course taken for one or more units)

COOPERATIVE WORK EXPERIENCE EDUCATION (COPED)

Duplicate credit will not be granted for concurrent enrollment in General Work Experience and Occupational Work Experience education. A maximum of 16 units can be granted for occupational work experience or a combination of general and occupational work experience education. The student’s plan of work and study must have the approval of the college work experience supervisor.

Work experience, in conjunction with a program of instruction, makes it possible for a student to obtain college credit for paid or volunteer experience.

During regular semesters, students must enroll in a minimum of seven units including Cooperative Work Experience Education. During summer sessions, students must enroll in one other class in addition to Cooperative Work Experience Education.

Students may enroll in no more than four units of Cooperative Work Experience Education per semester, on the basis of 75 hours of paid work experience per semester per each unit of credit, or 60 hours of unpaid or volunteer work experience per semester per each unit of credit.

COPED 450
General Work Experience
1-3 units, hours to be arranged (GR or P/NP)
Corequisite: During regular semesters, students must enroll in a minimum of seven units including Cooperative Work Experience Education. During summer sessions, students must enroll in one other class in addition to Cooperative Work Experience Education.
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience education.
Supervised employment to assist in acquiring desirable work habits and attitudes, increase educational motivation, and develop improved human relations skills. Employment need not be related to educational or occupational goals. 4932.00

COPED 452A-484B
Occupational Work Experience
1-4 units each course, hours to be arranged (GR or P/NP)
Corequisite: During regular semesters, students must enroll in a minimum of seven units including Cooperative Work Experience Education. During summer sessions, students must enroll in one other class in addition to Cooperative Work Experience Education.
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience education.
Supervised employment providing opportunities to become a productive, responsible individual and to extend learning in a chosen occupational field.
COPED 452A  
Occupational Work Experience in Landscape Horticulture  
1-4 units, hours to be arranged (GR or P/NP).  0109.00

COPED 456A  
Occupational Work Experience in Accounting  
1-4 units, hours to be arranged (GR or P/NP).  0502.00  
Also offered as Bus 456A.

COPED 456D  
Occupational Work Experience in Business Administration  
1-4 units, hours to be arranged (GR or P/NP).  0505.00  
Also offered as Bus 456D.

COPED 456E  
Occupational Work Experience in General Business  
1-4 units, hours to be arranged (GR or P/NP).  0501.00

COPED 456K  
Occupational Work Experience in Real Estate  
1-4 units, hours to be arranged (GR or P/NP).  0511.00

COPED 456Q  
Occupational Work Experience in Administrative Office Systems and Applications  
1-4 units, hours to be arranged (GR or P/NP).  0514.00  
Also offered as Bus 456Q.

COPED 470A  
Occupational Work Experience in Certified Nurse Assistant/Home Health Aide  
1-4 units, hours to be arranged (GR or P/NP).  1230.30

COPED 470B  
Occupational Work Experience in Nursing, A.D.  
1-4 units, hours to be arranged (GR or P/NP).  1230.10

COPED 470C  
Occupational Work Experience in Radiologic Science  
1-4 units, hours to be arranged (GR or P/NP).  1225.00

COPED 470D  
Occupational Work Experience in Vocational Nursing  
1-4 units, hours to be arranged (GR or P/NP).  1230.20

COPED 470F  
Occupational Work Experience in Medical Assisting  
1-4 units, hours to be arranged (GR or P/NP)  
Prerequisite: Hlted 11 or current CPR/BLS certification;  
and health clearances and safety requirements: Current  
medical exam including titers and immunizations, and  
background checks if required by the clinical agency  
Prerequisite or corequisite: Medas 201  
Course study under this section may be repeated three  
times for a maximum of 4 units.  1208.10

COPED 472A  
Occupational Work Experience in Child Development  
1-4 units, hours to be arranged (GR or P/NP).  1305.00

COPED 474A  
Occupational Work Experience in Paralegal Studies  
1-4 units, hours to be arranged (GR or P/NP).  1402.00

COPED 476A  
Occupational Work Experience in Administration of Justice  
1-4 units, hours to be arranged (GR or P/NP).  2105.00

COPED 476C  
Occupational Work Experience in Community Social Services  
1-4 units, hours to be arranged (GR or P/NP).  2104.00

COPED 476E  
Occupational Work Experience in Recreation and Leisure Services  
1-4 units, hours to be arranged (GR or P/NP).  0836.00

COPED 476F  
Occupational Work Experience in Environmental Management and Technology  
1-4 units, hours to be arranged (GR or P/NP).  0303.02

COPED 484B  
Occupational Work Experience in Bioscience  
1-4 units, hours to be arranged (GR or P/NP).  0430.00
COUNSELING (COUN)

COUN 24
College Success
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Engl 201B or ESL 21B
Not open for credit to students who have completed Lmre 24.
Acceptable for credit: CSU, UC
Identification and development of resources that facilitate college success: High-performance learning utilizing information organization and management, critical-thinking and problem-solving skills, effective time management, learning styles and strategies and memory theory, goal setting and educational planning, and campus/community resources. 4930.10
CSU area E

COUN 30
Personal Growth and Development
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Engl 201B or ESL 21B
Acceptable for credit: CSU
Examination of the psycho-social dynamics of personal growth: Focus on self exploration, learning to make choices, stress and coping, interpersonal relationships, origin and resolution of conflicts and the role of emotions in behavior and health; includes active personal involvement, group interaction, and self-study. 4930.10
AA/AS Area 2; CSU Area E

COUN 57
Career and Life Planning
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Engl 201B or ESL 21B
Not open for credit to students who have completed Lmre 57.
Acceptable for credit: CSU, UC
In-depth career and life planning: Self-exploration, identifying values, interests, needs and goals; development of skills for assuming careers and lifestyles over the life span, influence of career choice on the quality of life, and the development of a career action plan. Designed to assist those students considering the transition of a career change or undecided about the selection of a college transfer major. 4930.10
CSU area E

COUN 200A
Orientation to College
.5 units, .5 hours lecture (GR or P/NP)
Information for new students: College programs, policies and procedures, campus resources and assessment. 4930.10

COUN 200B
Orientation to College
.5 units, .5 hours lecture (GR or P/NP)
Recommended preparation: Coun 200A
Educational planning and college success skills: Development of a Student Educational Plan (SEP) with a counselor and introduction to topics such as time management, study skills, note-taking, and test-taking techniques. 4930.10

COUN 207A
Career Exploration
1 unit, 1 hour lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in Coun 207.
Career decision making: Exploration and clarification of values, skills, and goals to facilitate informed and realistic career choices, and introduction to personal and occupational assessment tools. 4930.10

COUN 207B
Career Exploration
1 unit, 1 hour lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in Coun 207.
Occupational assessment tools: Practice in networking, informational interviews, research on employment opportunities and trends, and resources used in job search. 4930.10

COUN 207C
Career Exploration
1 unit, 1 hour lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in Coun 207.
Job search skills: Resumes, cover letters, telephone skills, and interviewing techniques. 4930.10
COUN 221
Preparing for College/University Transfer
.5-1 units, .5-1 hours lecture (GR or P/NP)
In-depth information and assistance with the transfer process to four-year colleges and universities: Lower-division major and general education requirements, college/university selection, admission procedures, application deadlines, financial aid, and scholarship information. Students will receive the information necessary to develop a Student Educational Plan (SEP) for transfer. 4930.10

COUN 224
College Preparedness
2-3 units, 2-3 hours lecture (GR or P/NP)
Recommended preparation: Coun 200A and 200B
Acquisition of college success skills: Time management, good study habits, effective note taking, goal-setting strategies, educational planning, and use of library and other learning resources. 4930.10

COUN 230
Strategies for Personal Development
3 units, 3 hours lecture (GR or P/NP)
Examination of theories and principles of personal growth and interpersonal effectiveness: Dynamics of relationships in the areas of friendship, love, family, school, occupations and other group relations; emphasis on self exploration and developing positive coping strategies. 4930.10

ECON 1
Principles of Economics (Macro-Economics)
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Introductory economic concepts: Measurements of national income and production; causes of inflation, recession, and depression; money and banking; government monetary and fiscal (spending and taxation) policies; stabilization techniques; economic growth; history of economic thought and philosophy. 2204.00

ECON 2
Principles of Economics (Micro-Economics)
3 units, 3 hours lecture (GR)
Econ 1 is not a prerequisite to Econ 2
Acceptable for credit: CSU, UC
Principles of micro-economics: Forms of business organization, theory of the firm within competitive and non-competitive markets, distribution of income, poverty, labor issues, agriculture. 2204.00

ECON 48NA-TZ
Selected Topics in Economics
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2204.00

ECON 49
Independent Study in Economics
.5-5 units (GR)
Course study under this section may be repeated three times.
See section on Independent Study. 2204.00

ECON 248NA-TZ
Selected Topics in Economics
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2204.00
CURRICULUM PATTERNS AND COURSES

EDUCATION (EDUC)

EDUC 1
Introduction to the Field of Education
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Historical and sociological analysis of the education system and careers in teaching: Study of principles of effective instructional models with emphasis on student-centered and culturally-relevant methods, research of resources for curriculum and instruction, and observation of teaching practices in local schools. 0801.00
AA/AS area 2

EDUC 48NA-TZ
Selected Topics in Education
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0801.00

EDUCATIONAL TECHNOLOGY (EDT)

EDT 1
Introduction to Online Teaching
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 1 or 200 or equivalent
Acceptable for credit: CSU
Online/hybrid teaching pedagogy: Universal design in online course materials; effective organization and delivery of online materials; teaching and learning styles; effective online communication using discussion boards, live chat, online forums, blogs and wikis; best practices for online student assessment and grading; retention and motivation of online students. 0860.00

EDT 2
Introduction to Using Online Courseware (Moodle)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 1 or 200 or equivalent
Acceptable for credit: CSU
Introduction to online courseware using Moodle and/or other course management systems: Creating and uploading materials, creating and importing quizzes, setting testing parameters; adding resources, web and text pages; using blogs and wikis, online discussion tools including forums and email, online glossaries, and grading tools; adding multimedia, audio, and podcasts; and basic administrative functions, including setting preferences and access. 0860.00

EDT 3
Introduction to Hybrid Teaching
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: EDT 2
Acceptable for credit: CSU
Effective practices in hybrid course design and teaching pedagogy: Designing effective online learning activities to meet specific goals and objectives using a combination of online and in-class learning activities; integrating online activities with the face-to-face meetings; organizing course materials; automating basic activities such as quizzes, grading, and surveys; assisting students to adapt to an online environment; managing discussion threads, course documents, announcements, and grades. 0860.00

EDT 4
Designing Curriculum for Online Instruction
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: CIS 200 or 205
Acceptable for credit: CSU
Modification of the curriculum design process for online instruction: Restructuring course materials for online teaching and learning and creating accessible online materials for all learning styles; locating and using course materials designed by textbook publishers, and free online tools to create course content; integrating free resources such as e-books, learning objects, video and podcasts, educational blogs, and multimedia into the curriculum. 0860.00
EDT 5
Creating Multimedia for Online Classes
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Creating multimedia content and objects for use in online course management systems: Developing videos, podcasts, video casts and other types of multimedia using open source/free tools; creating accessible multimedia. 0860.00

EDT 6
Providing Support for Online Learners
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Online/hybrid teaching pedagogy: Providing support to online students in the areas of technology, online learning methodologies, study skills, preparation before taking an online class, standards and models for student/teacher contact. 0860.00

EDT 48NA-TZ
Selected Topics In Educational Technology
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0860.00

EDT 248NA-TZ
Selected Topics In Educational Technology
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0860.00

EMERGENCY MEDICAL TECHNICIAN (EMT)

A Certificate of Proficiency in Emergency Medical Technician I will be awarded upon satisfactory completion of EMT 210.

EMT 210
Emergency Medical Technician–Basic
5 units, 4 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Hlted 9 or Standard First Aid or equivalent; and CPR for Professional Rescuer (Red Cross), or CPR per American Heart Association Guidelines 2000 for the Healthcare Provider, or ASHI CPR PRO; and health clearances: Two recent TB skin tests by first class meeting (done within 6 months of beginning of class with verification to be provided by last day to add classes for a term); and hepatitis B vaccine (completion of 2 of 3-shot series by last day to add classes for a term); and fee of $25 to the State Fire Marshall.
Course meets California Code of Regulations (Title 22) criteria. Students who successfully complete the course are eligible to take the National Registry EMT exam required for certification.
Basic training course covering all techniques of emergency medical care considered within the responsibilities of the Emergency Medical Technician as well as all operational aspects of the job: Emphasis on the development of student skills in the recognition of illness and injuries, and proper procedures of emergency care. 1250.00

EMT 221
Emergency Medical Technician–Paramedic
22 units, 335 term hours lecture, 144 term hours laboratory (GR or P/NP)
Course meets California Code of Regulations (Title 22) criteria. Students who successfully complete course and internship requirements are eligible to take the National Registry EMT-Paramedic exam required for licensure within the State of California.
Prerequisites: EMT 210 or proof of current EMT-B, NREMT-B or EMT 2 certificate (must have successfully completed an approved EMT-B or EMT 2 program and have a current card); CPR for Professional Rescuer (Red Cross), or CPR per American Heart Association Guidelines 2000 for the Healthcare Provider, or ASHI CPR PRO; Health clearances: Current immunization records for: TB within 1 year; tetanus within 1 year; MMR – Measles, mumps, rubella (childhood record OK); and hepatitis B (at least shot #1 in series) by start of class; Biol 2 and 4, or 20A and 20B; Hltoc 201 and/or 202; High school diploma or GED; and California driver’s license.
Advanced training course covering all techniques of emergency medical care considered within the responsibilities of the Emergency Medical Technician-Paramedic as well as all operational aspects of the job: Emphasis on the development of student skills in the recognition and treatment of illness and injuries, and proper procedures of emergency care. 1251.00
EMT 230
Introduction to First Responder Training
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR)
Introduction to first responder training: Patient assessment, ventilation and airway obstruction, circulation and CPR; illness and injury emergencies such as poisoning and substance abuse, behavioral emergencies, bleeding and soft tissue and muscle and bone injuries; childbirth, children, and geriatric emergencies; lifting and moving individuals; EMS operations, extrication and rescue operations; legal and ethical issues confronting the first responder; communications and documentation; and stress response and well-being of the first responder. 1250.00

EMT 261
Emergency Medical Technician Recertification
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Prerequisite: Current EMT certification or EMT certification that has not been expired for more than six months, and current CPR certification at the Health Care Level, and fee of $25 to the State Fire Marshall
Non-degree applicable
Course study under this section may be repeated three times for recertification for a maximum of 8 units.
Recertification through review of didactic and practical techniques required of the Emergency Medical Technician: Examination of all aspects of the job including roles and responsibilities of the Emergency Medical Technician, medical-legal aspects, human systems and basic anatomy, types of emergencies encountered, extrication and rescue of patients, and documentation and communications. 1250.00

ENGLISH
(ENGL)

LANGUAGE ARTS

The AA degree in Language Arts will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

Degree Major Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select six courses (18 units) from the following:</td>
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<td></td>
</tr>
<tr>
<td>ENGL 10A</td>
<td>Creative Writing (3)</td>
<td></td>
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<tr>
<td>ENGL 10B</td>
<td>Creative Writing (3)</td>
<td></td>
</tr>
<tr>
<td>ENGL 17A</td>
<td>Shakespeare (3)</td>
<td></td>
</tr>
<tr>
<td>ENGL 30A</td>
<td>Introduction to American Literature (3)</td>
<td></td>
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<tr>
<td>ENGL 30B</td>
<td>Introduction to American Literature (3)</td>
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<tr>
<td>ENGL 32A</td>
<td>Contemporary Women Writers (3)</td>
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<tr>
<td>ENGL 32B</td>
<td>Contemporary Women Writers (3)</td>
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<tr>
<td>ENGL 38</td>
<td>Lift Every Voice: Race, Class, and Gender in the United States (3)</td>
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<tr>
<td>ENGL 43</td>
<td>Introduction to the Study of Poetry (3)</td>
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<tr>
<td>COMM 4</td>
<td>The Dynamics of Group Discussion (3)</td>
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<td>COMM 20</td>
<td>Interpersonal Communication Skills (3)</td>
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<td>COMM 45</td>
<td>Public Speaking (3)</td>
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<td>Total Required Units:</td>
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ENGL 1A
Composition and Reading
4 units, 4 hours lecture (GR)
Prerequisite: Engl 201B or ESL 21B or appropriate placement through multiple-measures assessment Acceptable for credit: CSU, UC
Reading and writing expository prose: Critical thinking, identifying logical fallacies, and reasoning inductively and deductively. 1501.00
AA/AS area 4a, 4d; CSU area A2; IGETC area 1A

ENGL 1B
Composition and Reading
4 units, 4 hours lecture (GR)
Prerequisite: Engl 1A
Acceptable for credit: CSU, UC
Continued expository writing: Careful reading of selected plays, poems, and novels. 1501.00
AA/AS area 3, 4a, 4d; CSU area C2; IGETC area 3B
ENGL 5  
**Critical Thinking in Reading and Writing**  
3 units, 3 hours lecture (GR)  
Prerequisite: Engl 1A  
Acceptable for credit: CSU, UC  
Development of the ability to analyze, criticize, and advocate ideas: Relationship of language to logic, induction and deduction, facts, inferences, judgments, and formal and informal fallacies of language and thought. Instructs in writing about issues of critical thinking to develop both thinking and writing skills. 1501.00  
AA/AS area 4a, 4d; CSU area A3; IGETC area 1B

ENGL 10A  
**Creative Writing**  
3 units, 3 hours lecture (GR)  
Prerequisite: Engl 1A  
Acceptable for credit: CSU, UC  
Writing fiction, poetry, and drama: Careful analysis of the techniques used by established writers. 1507.00  
AA/AS area 3, 4d; CSU area C2

ENGL 10B  
**Creative Writing**  
3 units, 3 hours lecture (GR)  
Prerequisite: Engl 1A  
Engl 10A is not prerequisite to Engl 10B.  
Acceptable for credit: CSU, UC  
Continuation of writing fiction, poetry, and drama: Careful analysis of the techniques used by established writers. 1507.00  
AA/AS area 3, 4d; CSU area C2

ENGL 17A  
**Shakespeare**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Engl 1A  
Acceptable for credit: CSU, UC  
Study of selected works of Shakespeare. 1503.00  
AA/AS area 3, 4d; CSU area C2; IGETC area 3B

ENGL 30A  
**Introduction to American Literature**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Engl 1A  
Acceptable for credit: CSU, UC  
Survey of American literature: From pre-colonial beginnings to Walt Whitman. 1503.00  
AA/AS area 3, 4d; CSU area C2; IGETC area 3B

ENGL 30B  
**Introduction to American Literature**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Engl 1A  
Engl 30A is not prerequisite to Engl 30B.  
Acceptable for credit: CSU, UC  
Survey of American literature: From American romanticism to literature of the twentieth century. 1503.00  
AA/AS area 3, 4d; CSU area C2; IGETC area 3B

ENGL 32A  
**Contemporary Women Writers**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Engl 1A  
Acceptable for credit: CSU, UC  
Survey of contemporary fiction, poetry, and autobiography by women writers: Emphasis on cross-cultural perspectives and the works of African, African-American, Asian, Native American, Hispanic, Jewish, and Northern European women writers. 1503.00  
AA/AS area 3, 4d; CSU area C2; IGETC area 3B

ENGL 32B  
**Contemporary Women Writers**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Engl 1A  
Engl 32A is not prerequisite to Engl 32B.  
Acceptable for credit: CSU, UC  
Continuation of survey of contemporary fiction, poetry, and autobiography by women writers: Emphasis on cross-cultural perspectives and the works of African, African-American, Asian, Native American, Hispanic, Jewish, and Northern European women writers. 1503.00  
AA/AS area 3, 4d; CSU area C2; IGETC area 3B

ENGL 38  
**Lift Every Voice: Race, Class, and Gender in the United States**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Engl 1A  
Acceptable for credit: CSU, UC  
Examination of perspectives on race, class, and gender in the United States: Through essays, poetry, stories and novels, a multitude of perspectives from across America’s cultures will be examined to better understand the differences we have in common. 1501.00  
AA/AS area 2, 3, 4d, 5; CSU area C2, D; IGETC area 3B, 4; UCB American Cultures
CURRICULUM PATTERNS AND COURSES

ENGL 43
Introduction to the Study of Poetry
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Engl 1A
Acceptable for credit: CSU, UC
Introduction to the elements of poetry: Imagery, sound, form, tone, and diction. 1503.00
AA/AS area 3, 4d; CSU area C2; IGETC area 3B

ENGL 48NA-TZ
Selected Topics in English
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1501.00

ENGL 49
Independent Study in English
.5-5 units (GR)
Course study under this section may be repeated three times.
See section on Independent Study. 1501.00

ENGL 100
College Composition and Reading
4 units, 4 hours lecture (GR or P/NP)
Prerequisite: Engl 201A or ESL 21B or appropriate placement through multiple-measures assessment
Course does not satisfy the GE composition requirement for transfer.
Reading and writing of expository prose: Critical thinking using inductive and deductive reasoning; clarity and precision of expression; organizational structures in writing and sound development of ideas. 1501.00
AA/AS area 4a, 4d

ENGL 201B
Preparation for Composition and Reading
4 units, 4 hours lecture (GR)
Prerequisite: Engl 201A
Continuation of college-level reading and writing of expository prose: Development of college-level reading skills; analysis of texts with an emphasis on non-fiction; expository writing including various modes of developing essays, essay organization; paragraph development; sentence development; and practice in editing/proofreading. 1501.00
AA/AS area 4d

ENGL 206A
English Grammar
3 units, 3 hours lecture (GR or P/NP)
Review of basic principles of grammar: Sentence patterns including compound-complex sentence patterns, functions of parts of speech and punctuation, and development of paragraph structure. 1501.00

ENGL 206B
English Grammar
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Engl 206A
Continued review of basic principles of grammar: Sentence patterns including compound-complex sentence patterns, functions of parts of speech and punctuation, and development of paragraph structure. 1501.00

ENGL 208
Writing Workshop
.5-1 unit, .25-.5 hours lecture, .75-1.5 hours laboratory (GR or P/NP)
Course study under this section may be repeated one time for a maximum of 1 unit.
Individualized instruction in writing utilizing computers: Grammar and punctuation, sentence structure, idea development and/or organizational skills. 1501.00

ENGL 210A
Creative Writing
3 units, 3 hours lecture (GR)
Writing fiction, poetry, and drama: Careful analysis of the techniques used by established writers. 1507.00
AA/AS area 3, 4d
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Hours</th>
<th>Type</th>
<th>Description</th>
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<td>ENGL 210B</td>
<td>Creative Writing</td>
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<td>3</td>
<td>lecture (GR)</td>
<td>Continuation of writing fiction, poetry, and drama: Careful analysis of the techniques used by established writers. 1507.00</td>
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<td>AA/AS area 3, 4d</td>
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<td>ENGL 217A</td>
<td>Shakespeare</td>
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<td>3</td>
<td>lecture (GR or P/NP)</td>
<td>Study of selected works of Shakespeare. 1503.00</td>
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<td>AA/AS area 3, 4d</td>
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<td>ENGL 230A</td>
<td>Introduction to American Literature</td>
<td>3</td>
<td>3</td>
<td>lecture (GR or P/NP)</td>
<td>Survey of American literature: From pre-colonial beginnings to Walt Whitman. 1503.00</td>
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<td>AA/AS area 3, 4d</td>
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<tr>
<td>ENGL 230B</td>
<td>Introduction to American Literature</td>
<td>3</td>
<td>3</td>
<td>lecture (GR or P/NP)</td>
<td>Engl 230A is not prerequisite to Engl 230B. Survey of American literature: From American romanticism to literature of the twentieth century. 1503.00</td>
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<td>ENGL 232A</td>
<td>Contemporary Women Writers</td>
<td>3</td>
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<td>lecture (GR or P/NP)</td>
<td>Survey of contemporary fiction, poetry, and autobiography by women writers: Emphasis on cross-cultural perspectives and the works of African, African-American, Asian, Native American, Hispanic, Jewish, and Northern European women writers. 1503.00</td>
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<td>ENGL 232B</td>
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<td>lecture (GR or P/NP)</td>
<td>Engl 232A is not prerequisite to Engl 232B.\nContinuation of survey of contemporary fiction, poetry, and autobiography by women writers: Emphasis on cross-cultural perspectives and the works of African, African-American, Asian, Native American, Hispanic, Jewish, and Northern European women writers. 1503.00</td>
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<td>ENGL 243</td>
<td>Introduction to the Study of Poetry</td>
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<td>lecture (GR or P/NP)</td>
<td>Introduction to the elements of poetry: Imagery, sound, form, tone, and diction. 1503.00</td>
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<td>AA/AS area 3, 4d</td>
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<tr>
<td>ENGL 248NA-TZ</td>
<td>Selected Topics in English</td>
<td>.5-5</td>
<td>0-15</td>
<td>laboratory (GR or P/NP)</td>
<td>See section on Selected Topics. 1501.00</td>
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<tr>
<td>ENGL 252A</td>
<td>Integrated Reading and Writing</td>
<td>4</td>
<td>4</td>
<td>lecture (GR)</td>
<td>Not open for credit to students who have completed or are currently enrolled in English 250A-D/267A-B or 251A-D/268A-B. Non-degree applicable\nPreparation in combined reading and writing instruction to ensure success in college: Integrated reading, writing, and critical thinking, using materials representing points of view and perspectives across the curriculum. 4930.20</td>
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<tr>
<td>ENGL 252B</td>
<td>Integrated Reading and Writing</td>
<td>4</td>
<td>4</td>
<td>lecture (GR)</td>
<td>Prerequisite: Engl 252A\nNot open for credit to students who have completed or are currently enrolled in English 250A-D/267A-B or 251A-D/268A-B. Non-degree applicable\nContinuation of ENGL 252A with further preparation in combined reading and writing instruction to ensure success in college: Integrated reading, writing, and critical thinking, using materials representing points of view and perspectives across the curriculum. 4930.20</td>
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<tr>
<td>ENGL 258A</td>
<td>Writing Workshop</td>
<td>1</td>
<td>1.5</td>
<td>laboratory (GR or P/ NP)</td>
<td>Individualized instruction in writing: Thesis control and essay organization. 4930.21</td>
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ENGL 258B
Writing Workshop
1 unit, .5 hours lecture, 1.5 hours laboratory (GR or P/ NP)
Recommended preparation: Engl 258A
Non-degree applicable
Individualized instruction in writing: Thesis control, essay organization, and idea development. 4930.21

ENGL 258C
Writing Workshop
1 unit, .5 hours lecture, 1.5 hours laboratory (GR or P/ NP)
Recommended preparation: Engl 258B
Non-degree applicable
Individualized instruction in writing: Thesis control, essay organization, idea development, and sentence structure. 4930.21

ENGL 258D
Writing Workshop
1 unit, .5 hours lecture, 1.5 hours laboratory (GR or P/ NP)
Recommended preparation: Engl 258C
Non-degree applicable
Individualized instruction in writing: Thesis control, essay organization, idea development, sentence structure, and editing/proofreading. 4930.21

ENGL 267A
Basic Writing
1-3 units, 1-3 hours lecture (GR)
Not open for credit to students who have completed or are currently enrolled in Engl 252A-B or 259A-D/269A-B.
Non-degree applicable
Course study under this section may be repeated two times for a maximum of 3 units.
Review of writing skills: Spelling, grammar and punctuation, organizing strategies, and use of the writing process. 4930.21

ENGL 268A
Basic Reading
1-3 units, 1-3 hours lecture (GR)
Not open for credit to students who have completed or are currently enrolled in Engl 252A-B or 259A-D/269A-B.
Non-degree applicable
Course study under this section may be repeated two times for a maximum of 3 units.
Practice in techniques to improve basic reading skills: Fundamentals of basic reading and analysis and correction of individual reading problems. 4930.70

ENGL 268B
Basic Reading
1-3 units, 1-3 hours lecture (GR)
Prerequisite: Engl 268A (or 251A-C)
Not open for credit to students who have completed or are currently enrolled in Engl 252A-B or 259A-D/269A-B.
Non-degree applicable
Continuation of ENGL 268A with further practice in techniques to improve basic reading skills: Fundamentals of basic reading and analysis and correction of individual reading problems. 4930.70

ENGL 280A
English Fundamentals Workshop
.5-3 units, 1.5-9 hours laboratory (P/NP)
Open-entry/open-exit course: Students may enroll up to the 12th week of the semester.
Non-degree applicable
Assistance with English skills: Reading, grammar, spelling, vocabulary and writing. Students work at their own pace on a program designed to meet their needs under the direction of an instructor and support from tutors. 4930.20

ENGL 280B
English Fundamentals Workshop
.5-3 units, 1.5-9 hours laboratory (P/NP)
Open-entry/open-exit course: Students may enroll up to the 12th week of the semester.
Non-degree applicable
Assistance with English skills: Reading, grammar, spelling, vocabulary and writing. Students work at their own pace on a program designed to meet their needs under the direction of an instructor and support from tutors. 4930.20
ENGL 280C  
**English Fundamentals Workshop**  
.5-3 units, 1.5-9 hours laboratory (P/NP)  
Open-entry/open-exit course: Students may enroll up to the 12th week of the semester.  
Non-degree applicable  
Assistance with English skills: Reading, grammar, spelling, vocabulary and writing. Students work at their own pace on a program designed to meet their needs under the direction of an instructor and support from tutors. 4930.20

ENGL 280D  
**English Fundamentals Workshop**  
.5-3 units, 1.5-9 hours laboratory (P/NP)  
Open-entry/open-exit course: Students may enroll up to the 12th week of the semester.  
Non-degree applicable  
Assistance with English skills: Reading, grammar, spelling, vocabulary and writing. Students work at their own pace on a program designed to meet their needs under the direction of an instructor and support from tutors. 4930.20

ENGL 295  
**Fundamentals of Writing**  
5 units, 5 hours lecture (GR or P/NP)  
Non-degree applicable  
Fundamentals of writing: Basics of English grammar, correct sentence structure, paragraph development, and composition revision. 4930.21

ENGL 348NA-TZ  
**Selected Topics in English**  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
Non-degree applicable  
See section on Selected Topics. 4930.20

**ENGLISH AS A SECOND LANGUAGE (ESL)**

The English as a Second Language Department offers courses designed to develop reading, writing, listening, and speaking skills to students whose native language is not English.

### Suggested Guidelines for Student Level of Difficulty

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
<th>Level 6</th>
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<tr>
<td>Speaking</td>
<td>250A</td>
<td>250B</td>
<td>200A</td>
<td>200B</td>
<td>200C</td>
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<tr>
<td>Writing</td>
<td>251A</td>
<td>251B</td>
<td>201A</td>
<td>201B</td>
<td>21A</td>
<td>21B</td>
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<td>Grammar</td>
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<td>252B</td>
<td>202A</td>
<td>202B</td>
<td>202C</td>
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<tr>
<td>Reading</td>
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<td>253B</td>
<td>203A</td>
<td>203B</td>
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<tr>
<td>Vocabulary &amp; Context</td>
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<td>205A</td>
<td>205B</td>
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<tr>
<td>Spelling &amp; Phonics</td>
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<td>208B</td>
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<tr>
<td>Vocational</td>
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<td>Pre Level 1</td>
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</table>

**ESL 21A**  
**Writing 5 (Composition/Reading)**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 201B or appropriate placement through multiple-measures assessment  
Recommended preparation: ESL 202C (can be taken concurrently)  
Acceptable for credit: CSU, UC  
Advanced level of writing: Focus on reading, developing ideas, and writing expository essays. 4930.81  
AA/AS area 4d

**ESL 21B**  
**Writing 6 (Composition/Reading)**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 21A or appropriate placement through multiple-measures assessment  
Recommended preparation: ESL 202C (can be taken concurrently)  
Recommended for those taking, or planning to take Engl 1A.  
Acceptable for credit: CSU, UC  
High advanced level of reading and writing: Focus on developing critical thinking skills, writing expository essays, and introduction to writing a research paper. 4839.81  
AA/AS area 4d

**ESL 48NA-TZ**  
**Selected Topics in English as a Second Language**  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics. 4930.81
ESL 200A  
**Speaking 3**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 250B or appropriate placement through multiple-measures assessment  
Low intermediate level of speaking: Emphasis on grammar skills to improve both fluency and accuracy in American English. 4930.81

ESL 200B  
**Speaking 4**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 200A or appropriate placement through multiple-measures assessment  
High intermediate level of speaking: Emphasis on grammar skills to improve fluency and accuracy in American English. 4930.81

ESL 201A  
**Writing 3**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 251B or appropriate placement through multiple-measures assessment  
Recommended preparation: ESL 202A (can be taken concurrently)  
Low intermediate level of writing: Introduction to basic academic writing skills, and expanding paragraphs into simple essays. 4930.81

ESL 201B  
**Writing 4**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 201A or appropriate placement through multiple-measures assessment  
Recommended preparation: ESL 202B (can be taken concurrently)  
High intermediate level of writing: Further development of academic writing skills with a focus on well-developed paragraphs and short essays. 4830.81

ESL 202A  
**Grammar 3**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 252B or appropriate placement through multiple-measures assessment  
Low intermediate level of English grammar: Introduction to complex grammar structures and sentence patterns. 4930.81

ESL 202B  
**Grammar 4**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 202A or appropriate placement through multiple-measures assessment  
High intermediate level of English grammar: Continuation and expansion of ESL 202A. 4830.81

ESL 202C  
**Grammar 5**  
5 units, 5 hours lecture (GR or P/NP)  
Prerequisite: ESL 202B or appropriate placement through multiple-measures assessment  
Formerly offered as ESL 22.  
Advanced level of English grammar: Focus on expanding, refining, and applying complex grammar skills used in academic writing, reading and speaking. 4930.81

ESL 203A  
**Reading 3**  
4 units, 4 hours lecture (GR or P/NP)  
Prerequisite: ESL 253B or appropriate placement through multiple-measures assessment  
Low intermediate level of reading: Emphasis on development of academic vocabulary, and expanding critical skills essential for college-level reading. 4830.81

ESL 203B  
**Reading 4**  
4 units, 4 hours lecture (GR or P/NP)  
Prerequisite: ESL 203A or appropriate placement through multiple-measures assessment  
High intermediate level of reading: Further development of academic vocabulary and critical reading skills essential for reading literature and college textbooks. 4930.81

ESL 205A  
**Vocabulary and Idioms in Context 3**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Appropriate placement through multiple-measures assessment  
Intermediate level of vocabulary: Study of words and idioms as used in context. 4930.81

ESL 208A  
**Conversation 3**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: ESL 258 or placement at the intermediate level through multiple-measures assessment  
Intermediate level of spoken English: Emphasis on conversational skills, necessary in extended conversations with native speakers; knowledge of American culture; discussing experiences and asking for advice. 4830.81
ESL 218A
ESL Writing Workshop
1.5 units, 1.25 hours lecture, 1.25 hours laboratory (GR or P/NP)
Individualized instruction in writing: Emphasis on pre-writing, thesis control, and essay organization. 4930.83

ESL 218B
ESL Writing Workshop
1.5 units, 1.25 hours lecture, 1.25 hours laboratory (GR or P/NP)
Recommended preparation: ESL 218A
Individualized instruction in writing: Emphasis on essay organization and idea development. 4930.83

ESL 218C
ESL Writing Workshop
1.5 units, 1.25 hours lecture, 1.25 hours laboratory (GR or P/NP)
Recommended preparation: ESL 218B
Individualized instruction in writing: Emphasis on sentence structure and mechanics. 4930.83

ESL 218D
ESL Writing Workshop
1.5 units, 1.25 hours lecture, 1.25 hours laboratory (GR or P/NP)
Recommended preparation: ESL 218C
Individualized instruction in writing: Emphasis on editing and proofreading strategies. 4930.83

ESL 248NA-TZ
Selected Topics in English as a Second Language
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 4830.81

ESL 250A
Speaking 1
5 units, 5 hours lecture (GR or P/NP)
Recommended preparation: Appropriate placement through multiple-measures assessment
Non-degree applicable
High beginning level of speaking: Emphasis on basic grammar skills; practice in speaking and understanding American English. 4930.82

ESL 250B
Speaking 2
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: ESL 250A or appropriate placement through multiple-measures assessment
Non-degree applicable
Continuation of listening and speaking skills introduced in ESL 250A: Emphasis on basic grammar skills; practice in speaking and understanding American English. 4930.82

ESL 251A
Writing I
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: ESL 252A
Non-degree applicable
High beginning level of writing: Emphasis on basic sentences, punctuation rules, and short narrative and descriptive paragraphs. 4930.82

ESL 251B
Writing 2
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: ESL 251A or appropriate placement through multiple-measures assessment
Recommended preparation: ESL 252B (can be taken concurrently)
Non-degree applicable
Continuation of writing skills introduced in ESL 251A: Emphasis on basic sentences, punctuation rules, and short narrative and descriptive paragraphs. 4930.82

ESL 252A
Grammar 1
5 units, 5 hours lecture (GR or P/NP)
Recommended preparation: Appropriate placement through multiple-measures assessment
Non-degree applicable
High beginning level of English grammar: Review and practice of basic grammar structures, sentence patterns, and parts of speech. 4930.82

ESL 252B
Grammar 2
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: ESL 252A or appropriate placement through multiple-measures assessment
Non-degree applicable
Continuation of basic grammar skills and sentence patterns introduced in ESL 252A: Review and practice of basic grammar structures, sentence patterns, and parts of speech. 4930.82
CURRICULUM PATTERNS AND COURSES

ESL 253A
Reading I
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Appropriate placement through multiple-measures assessment
Non-degree applicable
High beginning level of reading: Focus on basic vocabulary development, and techniques for reading comprehension. 4930.82

ESL 253B
Reading 2
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: ESL 253A or appropriate placement through multiple-measures assessment
Non-degree applicable
Continuation of reading skills introduced in ESL 253A: Focus on basic vocabulary development, and techniques for reading comprehension. 4930.82

ESL 256
Spelling and Phonics of American English 2
5 units, 5 hours lecture (GR or P/NP)
Recommended preparation: Appropriate placement through multiple-measures assessment
Non-degree applicable
Study of the sounds and spelling of American English. 4930.82

ESL 257A
Pronunciation 3
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: ESL 256 or appropriate placement through multiple-measures assessment
Non-degree applicable
Beginning level pronunciation of American English: Improvement in pronunciation, intonation, and fluency in English for speakers of ESL with practice in the use of standard conversational expressions and styles. 4930.82

ESL 258
Conversation 2
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Appropriate placement through multiple-measures assessment
Non-degree applicable
Beginning level of spoken American English: Focus on self-expression and vocabulary needed for daily activities. 4930.82

ESL 273
ESL through Computers 2/3
3 units, 3 hours lecture (P/NP)
Non-degree applicable
Low Intermediate ESL through computers: Designed for ESL students who have low intermediate and intermediate English ability and want to develop their English skills while learning computer functions. 4930.82

ESL 294
Basic ESL Skills
5 units, 5 hours lecture (P/NP)
Non-degree applicable
Basic level ESL course designed for those with little or no English skills: Focus on very basic grammar, writing, and reading lifeskills such as personal information, everyday activities, and feelings/emotions. 4930.82

ESL 348NA-TZ
Selected Topics in English as a Second Language
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
Non-degree applicable
See section on Selected Topics. 4930.82
There is a wide range of employment and entrepreneurial opportunities opening in the emerging environmental and environmental sustainability fields. The Environmental Management and Technology program introduces the major sectors of the coming “Green Wave” for those interested in pursuing careers in this area, transferring to a four-year institution, or understanding the background of climate change, environmental policy, city and regional planning, food security, green building, environmental education, environmental justice, renewable energy, native plant and ecosystem restoration, watersheds, pollution, recycling, and waste management.

The AS degree in Environmental Management and Technology will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

**Degree Major/Certificate of Achievement Requirements:**

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVMT 1</td>
<td>Environmental Careers (1)</td>
<td>1</td>
</tr>
<tr>
<td>ENVMT 2</td>
<td>Introduction to Sustainable Environmental Systems (3)</td>
<td>or</td>
</tr>
<tr>
<td>BIOL 13</td>
<td>Principles of Ecology (3)</td>
<td>3</td>
</tr>
<tr>
<td>ENVMT 2L</td>
<td>Principles of Ecology and Sustainable Systems Lab (1)</td>
<td>or</td>
</tr>
<tr>
<td>BIOL 13L</td>
<td>Principles of Ecology and Sustainable Systems Lab (1)</td>
<td>1</td>
</tr>
<tr>
<td>GEOG 1</td>
<td>Physical Geography (3)</td>
<td>or</td>
</tr>
<tr>
<td>GEOL</td>
<td>Any Geology course of 3 or more units</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 15</td>
<td>Environmental Biology (3)</td>
<td>or</td>
</tr>
<tr>
<td>BIOL 29</td>
<td>Biology of the Living World (4)</td>
<td>3-4</td>
</tr>
<tr>
<td>Select a minimum of 2-5 units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVMT 10</td>
<td>Urban Ecology (2)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 12</td>
<td>Environmental Racism and Justice (3)</td>
<td>or</td>
</tr>
<tr>
<td>AFRAM 38</td>
<td>Environmental Racism and Justice (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 13</td>
<td>Introduction to Environmental Policy and Law (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 18</td>
<td>Environmental Writing (2.5)</td>
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</tr>
<tr>
<td>ENVMT 19</td>
<td>Civilization’s Impact on the Environment: Psychology of Trashing the Earth (3)</td>
<td>or</td>
</tr>
<tr>
<td>PSYCH 19</td>
<td>Civilization’s Impact on the Environment: Psychology of Trashing the Earth (3)</td>
<td>2-5</td>
</tr>
<tr>
<td>Select a minimum of 3 units from the following:</td>
<td></td>
<td></td>
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<tr>
<td>ENVMT 11</td>
<td>Sustainable Urban and Regional Planning (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 20</td>
<td>Introduction to Green Building and Ecological Design (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 20L</td>
<td>Introduction to Green Building and Energy Options Lab (1)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 21</td>
<td>Sustainable Energy Options (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 23</td>
<td>Introduction to Solid Waste Management and Recycling (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 39A-B</td>
<td>Introduction to Global Positioning Systems (GPS) I and II (.5 each)</td>
<td>3</td>
</tr>
<tr>
<td>ENVMT 39C</td>
<td>Introduction to Geographic Information Systems (GIS) (2)</td>
<td></td>
</tr>
<tr>
<td>Select a minimum of 3 units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVMT 30</td>
<td>Ecological Restoration: Uplands (2)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 31</td>
<td>Wetlands Restoration (5)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 32</td>
<td>Watershed Assessment (.5-3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 33AA</td>
<td>Introduction to Creek and Watershed Restoration: General Aspects (1)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 33AB</td>
<td>Introduction to Creek and Watershed Restoration: General Aspects (1)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 33AC</td>
<td>Introduction to Creek and Watershed Restoration: General Aspects (1)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 35</td>
<td>Introduction to Urban Agro Ecology (3)</td>
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<tr>
<td>ENVMT 36</td>
<td>Introduction to Watershed Science (3)</td>
<td>3</td>
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<tr>
<td>Select a minimum of 3 units from the following:</td>
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<tr>
<td>ENVMT 40</td>
<td>From Tree to Sea: A Bay Area</td>
<td></td>
</tr>
<tr>
<td>ENVMT 41</td>
<td>Wildlife and Watershed Restoration Gardening (1-2)</td>
<td></td>
</tr>
<tr>
<td>ENVST/BIOL</td>
<td>Any Natural History course in the Biol/Enst 60, 70, 80 numbered series (5-5)</td>
<td>3</td>
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<tr>
<td>Total Required Units:</td>
<td>22-26</td>
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</table>

**Recommended:**

Chem 30A, Introductory Inorganic Chemistry (4)
Coped 456F, Occupational Work Experience in Environmental Management and Technology (1-4)
ECOLOGICAL RESTORATION AND WATERSHED MANAGEMENT

The Ecological Restoration and Watershed Management program is designed to prepare students for employment in the fields of environmental assessment, monitoring, management, and restoration. Students can find employment in private enterprises (a wide variety of industries and consulting firms), environmental organizations, and public agencies (parks, forests, wildlands, urban and regional planning agencies, etc.) to assess and monitor environmental quality, help prepare environmental impact reports, assist planners and managers, and perform environmental restoration work in urban/suburban, rural, and wildland settings.

The AS degree in Ecological Restoration and Watershed Management will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements. A separate Certificate of Proficiency (14-17 units) providing short-term job training is also available and will be awarded upon satisfactory completion of the courses specified.

Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required courses:</td>
<td></td>
<td></td>
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<tr>
<td>ENVMT 1</td>
<td>Environmental Careers (1)</td>
<td>1</td>
</tr>
<tr>
<td>ENVMT 2</td>
<td>Introduction to Sustainable Environmental Systems (3)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 13</td>
<td>Principles of Ecology (3)</td>
<td></td>
</tr>
<tr>
<td>Select a minimum of 2-3 units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVMT 30</td>
<td>Ecological Restoration: Uplands (2)</td>
<td>2</td>
</tr>
<tr>
<td>ENVMT 41</td>
<td>Wildlife and Watershed Restoration Gardening (1-2)</td>
<td>2</td>
</tr>
<tr>
<td>ENVMT 50</td>
<td>Special Projects in Ecological Planning, Implementation and Maintenance (.5-3)</td>
<td>2-3</td>
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</table>

Select a minimum of 7-10 units from the following. A minimum of 3 units must be selected from Group 1. The remaining units can be selected from either Group 1 or Group 2:

<table>
<thead>
<tr>
<th>Group 1</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>ENVMT 31</td>
<td>Wetlands Restoration (3)</td>
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</tr>
<tr>
<td>ENVMT 32</td>
<td>Watershed Assessment (.5-3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 33AA</td>
<td>Introduction to Creek and Watershed Restoration: General Aspects (1)</td>
<td></td>
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<tr>
<td>ENVMT 33AB</td>
<td>Introduction to Creek and Watershed Restoration: General Aspects (1)</td>
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</table>

<table>
<thead>
<tr>
<th>Group 2</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>BIOL 10</td>
<td>Introduction to Biology (4)</td>
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</tr>
<tr>
<td>CHEM 30A</td>
<td>Introductory Inorganic Chemistry (4)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 25</td>
<td>Introduction to Wildlife Conservation (3)</td>
<td></td>
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<tr>
<td>or</td>
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<td></td>
</tr>
<tr>
<td>BIOL 46</td>
<td>Introduction to Wildlife Conservation (3)</td>
<td></td>
</tr>
<tr>
<td>GEOG 1</td>
<td>Physical Geography (3)</td>
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<tr>
<td>GEOL 1</td>
<td>Introduction to Physical Geology (4)</td>
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<tr>
<td>GEOL 12</td>
<td>Environmental Geology (3)</td>
<td>7-10</td>
</tr>
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</table>

Select a minimum of 5-7 units from the following. A minimum of 3 units must be selected from Group 3. The remaining units can be selected from either Group 3 or Group 4:

<table>
<thead>
<tr>
<th>Group 3</th>
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</thead>
<tbody>
<tr>
<td>ENVMT 18</td>
<td>Environmental Writing (2.5)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 39A-B</td>
<td>Introduction to Global Positioning Systems (GPS) I and II (.5 each)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 39C</td>
<td>Introduction to Geographic Information Systems (GIS) (2)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 40</td>
<td>From Tree to Sea: A Bay Area Environmental Cross Section (1-3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 42</td>
<td>Ecology, Culture, and Stewardship of California Landscapes (1-3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 210A-B</td>
<td>Environmental Photography and Photo Monitoring I and II (1.5 each)</td>
<td></td>
</tr>
<tr>
<td>LANHT 51A-D</td>
<td>Natural Landscape Interpretation (.5 each)</td>
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</table>

<table>
<thead>
<tr>
<th>Group 4</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>COPED 476F</td>
<td>Occupational Work Experience in Environmental Management and Technology (1-4)</td>
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</tr>
<tr>
<td>ENVMT 11</td>
<td>Sustainable Urban and Regional Planning (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 34</td>
<td>From Dams to Greywater: California Water Systems and Alternatives (2)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 37</td>
<td>Watershed Teaching for K-6 (.5-1)</td>
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</tr>
<tr>
<td>LANHT 5</td>
<td>Any Plant Materials 5 Series: Fall/Spring Native Plant ID and Culture course (Lanht 5A or 5B or 5EA or 5EB) (3 each)</td>
<td></td>
</tr>
<tr>
<td>LANHT 16</td>
<td>Soil Management (3)</td>
<td></td>
</tr>
<tr>
<td>LANHT 38</td>
<td>Native Plant Habitats (2)</td>
<td>5-7</td>
</tr>
</tbody>
</table>

**Total Required Units:** 18-24
ECOLOGICAL RESTORATION AND
WATERSHED MANAGEMENT

The Ecological Restoration and Watershed Management program prepares students for a wide range of employment opportunities in the ecological restoration field, including wildlife conservation and restoration, native plant and ecosystem restoration, and wetlands and watershed restoration. Students completing this certificate will be able to find employment working for city and regional planning boards, water quality districts, parklands, and wildlife preserves, among others. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

Select a minimum of 2-3 units from the following:
- ENVMT 30 Ecological Restoration: Uplands (2)
- ENVMT 41 Wildlife and Watershed Restoration Gardening (1-2)
- ENVMT 50 Special Projects in Ecological Planning, Implementation and Maintenance (.5-3)

Select a minimum of 7-8 units from the following. A minimum of 3 units must be selected from Group 1. The remaining units can be selected from either Group 1 or Group 2:

Group 1
- ENVMT 31 Wetlands Restoration (3)
- ENVMT 32 Watershed Assessment (.5-3)
- ENVMT 33AA Introduction to Creek and Watershed Restoration: General Aspects (1)
- ENVMT 33AB Introduction to Creek and Watershed Restoration: General Aspects (1)
- ENVMT 33AC Introduction to Creek and Watershed Restoration: General Aspects (1)
- ENVMT 33B Introduction to Creek and Watershed Restoration: Hydrology and Erosion Control (2)
- ENVMT 33C Introduction to Creek and Watershed Restoration: Water Chemistry (2)
- ENVMT 36 Introduction to Watershed Science (3)

Group 2
- BIOL 10 Introduction to Biology (4)
- CHEM 30A Introductory Inorganic Chemistry (4)
- ENVMT 25 Introduction to Wildlife Conservation (3)
- or BIOL 46 Introduction to Wildlife Conservation (3)
- GEOG 1 Physical Geography (3)
- GEOL 1 Introduction to Physical Geology (4)
- GEOL 12 Environmental Geology (3) 7-8

Select a minimum of 5-6 units from the following. A minimum of 3 units must be selected from Group 3. The remaining units can be selected from either Group 3 or Group 4:

Group 3
- ENVMT 18 Environmental Writing (2.5)
- ENVMT 39A-B Introduction to Global Positioning Systems (GPS) I and II (.5 each)
- ENVMT 39C Introduction to Geographic Information Systems (GIS) (2)
- ENVMT 40 From Tree to Sea: A Bay Area Environmental Cross Section (1.3)
- ENVMT 42 Ecology, Culture, and Stewardship of California Landscapes (1.3)
- ENVMT 210A-B Environmental Photography and Photo Monitoring I and II (1.5 each)
- LANHT 51A-D Natural Landscape Interpretation (.5 each)

Group 4
- COPED 476F Occupational Work Experience in Environmental Management and Technology (1-4)
- ENVMT 11 Sustainable Urban and Regional Planning (3)
- ENVMT 34 From Dams to Greywater: California Water Systems and Alternatives (2)
- ENVMT 37 Watershed Teaching for K-6 (5-1)
- LANHT 5 Any Plant Materials 5 Series: Fall/Spring Native Plant ID and Culture course (Lanht 5A or 5B or 5EA or 5EB) (3 each)
- LANHT 16 Soil Management (3)
- LANHT 38 Native Plant Habitats (2) 5-6

Total Required Units: 14-17
GREEN BUILDING AND ENERGY MANAGEMENT

The Green Building and Energy Management program emphasizes energy efficiency and ecological sustainability in the built environment. It is designed to prepare students for employment in the fields of energy management or building design and construction with an emphasis on “green” building, or for transfer to a four-year institution. Opportunity is provided to link this major cooperatively with Laney College’s Architectural Technology major.

The AS degree in Green Building and Energy Management will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required courses:</td>
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<td></td>
</tr>
<tr>
<td>ENVMT 1</td>
<td>Environmental Careers (1)</td>
<td>1</td>
</tr>
<tr>
<td>ENVMT 2</td>
<td>Introduction to Sustainable Environmental Systems (3)</td>
<td></td>
</tr>
<tr>
<td>or BIOL 13</td>
<td>Principles of Ecology (3)</td>
<td>3</td>
</tr>
<tr>
<td>ENVMT 20</td>
<td>Introduction to Green Building and Ecological Design (3)</td>
<td>3</td>
</tr>
<tr>
<td>ENVMT 20L</td>
<td>Introduction to Green Building and Energy Options Lab (1)</td>
<td>1</td>
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<tr>
<td>Select a minimum of 4 units from the following:</td>
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<tr>
<td>ENVMT 21</td>
<td>Sustainable Energy Options (3)</td>
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</tr>
<tr>
<td>ENVMT 22</td>
<td>Energy-Efficient Design and Construction (2)</td>
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<tr>
<td>ENVMT 24</td>
<td>Energy Conservation and Auditing (2)</td>
<td>4</td>
</tr>
<tr>
<td>Select two (2) courses for a minimum of 2-4 units from the following:</td>
<td></td>
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<tr>
<td>A/ET 211</td>
<td>Fundamentals of Drafting Techniques (4) (Laney)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 18</td>
<td>Environmental Writing (2.5)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 210A-B</td>
<td>Environmental Photography and Photo Monitoring I and II (1.5 each)</td>
<td>2-4</td>
</tr>
<tr>
<td>Select a minimum of 2-3 units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVMT 10</td>
<td>Urban Ecology (2)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 11</td>
<td>Sustainable Urban and Regional Planning (3)</td>
<td>2-3</td>
</tr>
<tr>
<td>Select two (2) courses for a minimum of 2-7.5 units from the following:</td>
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<tr>
<td>A/ET 104A</td>
<td>Beginning Computer-Aided Drafting (CAD) (3) (Laney)</td>
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<tr>
<td>CARP 211</td>
<td>Elements of Construction (3.5) (Laney)</td>
<td></td>
</tr>
<tr>
<td>CARP 220</td>
<td>Rough Framing (3) (Laney)</td>
<td></td>
</tr>
<tr>
<td>COPED 476F</td>
<td>Occupational Work Experience in Environmental Management and Technology (1-4)</td>
<td></td>
</tr>
</tbody>
</table>

ECT 28 Energy Management and Efficiency in Building Systems (2) (Laney)
ENVMT 23 Introduction to Solid Waste Management and Recycling (3)
ENVMT 33AA Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 33AB Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 33AC Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 40 From Tree to Sea: A Bay Area Environmental Cross Section (1-3)
LANHT 28A-D Permaculture Design I, II, III, and IV (3 each)
LANHT 36A-C Natural Building (3 each) 2-7.5

Total Required Units: 18-26.5

Recommended:
Carp 251A-B, Introduction to the Skilled Trades I and II (3 each) (Laney)

HUMAN ECOLOGY, POLICY, PLANNING AND ENVIRONMENTAL JUSTICE

The Human Ecology, Policy, Planning and Environmental Justice program is a largely social science-based environmental major. It is designed to give students a very broad background in environmental subjects, with heavy emphasis on the human perspective. Students who have an interest in the environment and who are planning to transfer to a four-year institution or to work in government agencies, consulting firms, or non-profits will find this program to be good preparation.

The AA degree in Human Ecology, Policy, Planning and Environmental Justice will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVMT 1</td>
<td>Environmental Careers (1)</td>
<td>1</td>
</tr>
<tr>
<td>ENVMT 2</td>
<td>Introduction to Sustainable Environmental Systems (3)</td>
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<tr>
<td>or BIOL 13</td>
<td>Principles of Ecology (3)</td>
<td>3</td>
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<tr>
<td>ENVMT 18</td>
<td>Environmental Writing (2.5)</td>
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<tr>
<td>Select a minimum of 6 units from the following:</td>
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<tr>
<td>ENVMT 2L</td>
<td>Principles of Ecology and Sustainable Systems Lab (1)</td>
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</tbody>
</table>

ECT 28 Energy Management and Efficiency in Building Systems (2) (Laney)
ENVMT 23 Introduction to Sustainable Environmental Systems (3)
ENVMT 33AA Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 33AB Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 33AC Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 40 From Tree to Sea: A Bay Area Environmental Cross Section (1-3)
LANHT 28A-D Permaculture Design I, II, III, and IV (3 each)
LANHT 36A-C Natural Building (3 each) 2-7.5

Total Required Units: 18-26.5
## CURRICULUM PATTERNS AND COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 13L</td>
<td>Principles of Ecology and Sustainable Systems Lab (1)</td>
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<tr>
<td>ENVMT 16</td>
<td>Introduction to Healthy Community Systems (3)</td>
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<tr>
<td>ENVMT 19</td>
<td>Civilization’s Impact on the Environment: Psychology of Trashing the Earth (3) or</td>
</tr>
<tr>
<td>PSYCH 19</td>
<td>Civilization’s Impact on the Environment: Psychology of Trashing the Earth (3)</td>
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<tr>
<td>HIST 38</td>
<td>Current World Problems (3) (Berkeley City College) or</td>
</tr>
<tr>
<td>POSCI 20</td>
<td>Current World Problems (3) (Berkeley City College)</td>
</tr>
<tr>
<td>Select a minimum of 3-6 units from the following:</td>
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<tr>
<td>ENVMT 12</td>
<td>Environmental Racism and Justice (3) or</td>
</tr>
<tr>
<td>AFRAM 38</td>
<td>Environmental Racism and Justice (3)</td>
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<tr>
<td>ENVMT 27</td>
<td>Ethnobotany: Native Environmental Studies (3)</td>
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<tr>
<td>ENVMT 42</td>
<td>Ecology, Culture, and Stewardship of California Landscapes (1-3)</td>
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<tr>
<td>ENVST 76A-D</td>
<td>Native Americans and the Bay Area Environment Series (.5-5 each) or</td>
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<tr>
<td>ENVST 78A-H</td>
<td>American Indians and the Ecology of North America Series (.5-5 each)</td>
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<tr>
<td>Select a minimum of 3-6 units from the following:</td>
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<tr>
<td>ENVMT 10</td>
<td>Urban Ecology (2)</td>
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<tr>
<td>ENVMT 11</td>
<td>Sustainable Urban and Regional Planning (3)</td>
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<tr>
<td>ENVMT 13</td>
<td>Introduction to Environmental Policy and Law (3)</td>
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<tr>
<td>ENVMT 15</td>
<td>Environmental Economics (3)</td>
</tr>
<tr>
<td>ENVMT 17A-D</td>
<td>Environmentalism in Action (.5 each)</td>
</tr>
<tr>
<td>ENVMT 26</td>
<td>Introduction to Environmental Health (3)</td>
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<tr>
<td>ENVMT 50*</td>
<td>Special Projects in Ecological Planning, Implementation and Maintenance (.5-3)</td>
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<tr>
<td>Select a minimum of 2 units from the following:</td>
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<tr>
<td>COPED 476F</td>
<td>Occupational Work Experience in Environmental Management and Technology (1-4)</td>
</tr>
<tr>
<td>ENVMT 39A-B</td>
<td>Introduction to Global Positioning Systems (GPS) I and II (.5 each)</td>
</tr>
<tr>
<td>ENVMT 39C</td>
<td>Introduction to Geographic Information Systems (GIS) (2)</td>
</tr>
<tr>
<td>ENVMT 210A-B</td>
<td>Environmental Photography and Photo Monitoring I and II (1.5 each)</td>
</tr>
<tr>
<td>Select a minimum of 2 units from the following:</td>
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</tr>
<tr>
<td>ENVMT 33AA</td>
<td>Introduction to Creek and Watershed Restoration: General Aspects (1)</td>
</tr>
<tr>
<td>ENVMT 33AB</td>
<td>Introduction to Creek and Watershed Restoration: General Aspects (1)</td>
</tr>
<tr>
<td>ENVMT 33AC</td>
<td>Introduction to Creek and Watershed Restoration: General Aspects (1)</td>
</tr>
<tr>
<td>ENVMT 40</td>
<td>From Tree to Sea: A Bay Area Environmental Cross Section (1-3)</td>
</tr>
<tr>
<td>ENVMT 42</td>
<td>Ecology, Culture, and Stewardship of California Landscapes (1-3)</td>
</tr>
<tr>
<td>ENVST/BIOL</td>
<td>Any Natural History course in the Envst/Biol 60, 70, 80 numbered series (.5-5)</td>
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<tr>
<td>Total Required Units: 22.5-28.5</td>
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</tbody>
</table>

**Recommended:**

Envmt 48ND, Living Simply for Human and Environmental Sustainability (3) *Envmt 501, Sustainable Environmental Systems Projects (Non-Credit) (0) (taken concurrently with Envmt 50)

### RANGER/NATURALIST OUTDOOR EDUCATION

The Ranger/Naturalist Outdoor Education program focuses on outdoor environmental education, nature and cultural interpretation, and park management in field settings. The program provides preparation for a wide range of opportunities in parks, nature centers, schools, camps, and ecotourism businesses. Real-world experiences and internships in environmental education, focusing on native ecosystem natural history and wildlife observation for diverse audiences of all ages, are emphasized.

The **AS degree in Ranger/Naturalist Outdoor Education** will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A **Certificate of Achievement** will be awarded upon satisfactory completion of the major course requirements.

#### Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENVMT</td>
<td>Environmental Careers (1)</td>
<td>1</td>
</tr>
<tr>
<td>ENVMT 2</td>
<td>Introduction to Sustainable Environmental Systems (3) or</td>
<td></td>
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<tr>
<td>BIOL 13</td>
<td>Principles of Ecology (3)</td>
<td>3</td>
</tr>
<tr>
<td>ENVMT 8</td>
<td>Introduction to Ranger/Naturalist Outdoor Education (3)</td>
<td></td>
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<tr>
<td>Select a minimum of 6 units from the following:</td>
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<tr>
<td>ENVMT 12</td>
<td>Environmental Racism and Justice (3) or</td>
<td></td>
</tr>
<tr>
<td>AFRAM 38</td>
<td>Environmental Racism and Justice (3)</td>
<td></td>
</tr>
<tr>
<td>ENVMT 25</td>
<td>Introduction to Wildlife Conservation (3) or</td>
<td></td>
</tr>
<tr>
<td>BIOL 46</td>
<td>Introduction to Wildlife Conservation (3)</td>
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</tr>
</tbody>
</table>
CURRICULUM PATTERNS AND COURSES

ENVMT 40 From Tree to Sea: A Bay Area Environmental Cross Section (1-3)
ENVMT 42 Ecology, Culture and Stewardship of California Landscapes (1-3)
ENVST/Biol Any Natural History course in the Envst/Biol 60, 70, 80 numbered series (.5-5)
GEOG 1 Physical Geography (3)
GEOL 12 Environmental Geology (3)
GEOG 21 Bay Area Field Studies (1-2)
LANHT 51A-D Natural Landscape Interpretation (.5 each)
LANHT 53 Alpines Lab (1)

Select a minimum of 4 units from the following:
ENVMT 30 Ecological Restoration: Uplands (2)
ENVMT 31 Wetlands Restoration (3)
ENVMT 32 Watershed Assessment (.5-3)
ENVST 33AA Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVST 33AB Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVST 33AC Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 41 Wildlife and Watershed Restoration Gardening (1-2)
ENVMT 50 Special Projects in Ecological Planning, Implementation and Maintenance (.5-3)

Select three (3) courses for a minimum of 6 units from the following:
ADJUS 21 Introduction to Administration of Justice (3)
COMM 20 Interpersonal Communication Skills (3)
COPED 476F Occupational Work Experience in Environmental Management and Technology (1-4)
EMT 210 Emergency Medical Technician–Basic (5)
ENVMT 9 Early Childhood Environmental Education (3)
CHDEV 99 Early Childhood Environmental Education (3)
ENVMT 10 Urban Ecology (2)
ENVMT 11 Sustainable Urban and Regional Planning (3)
ENVMT 16 Introduction to Healthy Community Systems (3)
ENVMT 18 Environmental Writing (2.5)
ENVMT 20 Introduction to Green Building and Ecological Design (3)
ENVMT 37 Watershed Teaching for K-6 (.5-1)
ENVMT 39A-B Introduction to Global Positioning Systems (GPS) I and II (.5 each)
ENVMT 39C Introduction to Geographic Information Systems (GIS) (2)
ENVMT 210A-B Environmental Photography and Photo Monitoring I and II (1.5 each)

RECSE 55 Outdoor Recreation (3)

Total Required Units: 23

Recommended:
Any Geology, Botany, or Geography course not already taken.

URBAN FARMING AND AGRO ECOLOGY

The Urban Farming and Agro Ecology program provides practical hands-on training for urban and sustainable farming methods, and nursery and food production. Production of an organic and local sustainable food supply is the fastest growing sector of agriculture. The program prepares students for work in urban gardens, community-supported agriculture, food systems distribution, native plant growing, or management of food gardens. Most courses are offered at the Environmental Center Self Reliant House or the Landscape Horticulture facilities on campus.

The AS degree in Urban Farming and Agro Ecology will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Required courses:</td>
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<tr>
<td>ENVMT 1</td>
<td>Environmental Careers (1)</td>
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</tr>
<tr>
<td>ENVMT 2</td>
<td>Introduction to Sustainable Environmental Systems (3)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 13</td>
<td>Principles of Ecology (3)</td>
<td>3</td>
</tr>
<tr>
<td>ENVMT 10</td>
<td>Urban Ecology (2)</td>
<td>2-3</td>
</tr>
<tr>
<td>ENVMT 11</td>
<td>Sustainable Urban and Regional Planning (3)</td>
<td>1-2</td>
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<tr>
<td>ENVMT 30</td>
<td>Ecological Restoration: Uplands (2)</td>
<td>3</td>
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<tr>
<td>ENVMT 41</td>
<td>Wildlife and Watershed Restoration Gardening (1-2)</td>
<td>2.5</td>
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<tr>
<td>ENVMT 35</td>
<td>Introduction to Urban Agro Ecology (3)</td>
<td>6</td>
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<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day) (3)</td>
<td>6</td>
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<tr>
<td>LANHT 1E</td>
<td>Introduction to Landscape Horticulture (Evening) (3)</td>
<td>3</td>
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<tr>
<td>LANHT 23</td>
<td>Plant Terminology (2.5)</td>
<td>3</td>
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<tr>
<td>Select a minimum of 3 units from the following:</td>
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<tr>
<td>LANHT 10</td>
<td>Insect Pests (3)</td>
<td>3</td>
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<tr>
<td>LANHT 11</td>
<td>Plant Diseases and Their Control (3)</td>
<td>3</td>
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<tr>
<td>LANHT 12</td>
<td>Weeds in the Urban Landscape (3)</td>
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</table>
Select a minimum of 3 units from the following:
LANHT 16 Soil Management (3)
LANHT 17 Irrigation with Lab (Day) (3)
or
LANHT 17E Irrigation (Evening) (3)
LANHT 19 Plant Nutrition (3) 3

Select four (4) courses for a minimum of 6 units from the following:
BUS 10 Introduction to Business (3)
COPED 476F Occupational Work Experience in Environmental Management and Technology (1-4)
CULIN 216 Introduction to Food Science and Nutrition (1) (Laney)
ENVMT 18 Environmental Writing (2.5)
ENVMT 31 Wetlands Restoration (3)
ENVMT 32 Watershed Assessment (.5-3)
ENVMT 33AA Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 33AB Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 33AC Introduction to Creek and Watershed Restoration: General Aspects (1)
ENVMT 40 From Tree to Sea: A Bay Area Environmental Cross Section (1-3)
ENVMT 210A-B Environmental Photography and Photo Monitoring I and II (1.5 each)
ENVMT 210A-B Environmental Photography and Photo Monitoring I and II (1.5 each)
ENVST/BIOL Any Natural History course in the Envst/Biol 60, 70, 80 numbered series (.5-5)
LANHT 21 Horticultural Equipment Operation, Maintenance and Repair (2)
LANHT 24 Plant Propagation (3)
LANHT 25 Nursery Management (3)
LANHT 28A-D Permaculture Design I, II, III, and IV (3 each)
LANHT 45A-C Mushroom Cultivation I, II, and III (2 each)
LANHT 203 Greenhouse Operations and Management (3)
LANHT 220 The Edible Landscape (2)
NUTR 10 Nutrition (4)
or
BIOL 28 Human Nutrition (3) (Laney)
or
BIOL 31 Nutrition (4) (Alameda)

Total Required Units: 27.5-29.5

ENVMT 1
Environmental Careers
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU
Career development strategies and exploration of what is available in emerging environmental fields: Exploration of environmental fields that are some of the fastest-growing sectors of the economy such as sustainable building, environmental policy and education, food, recycling, pollution reduction, green business, energy, transit, watershed protection, and environmental technologies. 0303.00

ENVMT 2
Introduction to Sustainable Environmental Systems
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Interdisciplinary study of the impact of human civilization on the earth’s major ecological systems: Issues examined in historic, contemporary, and future settings, including both Western and non-Western contexts; material presented from a theoretical point of view, with a focus on core concepts and methods related to ecology, sustainability, human population, natural resources, wastes and pollution; reflection of how human economic, political, and ethical behaviors are inextricably interwoven with the environment; and presentation of environmental career options. 0303.00
AA/AS area 2; CSU area D; IGETC area 4

ENVMT 2L
Principles of Ecology and Sustainable Systems Lab
1 unit, 3 hours laboratory (GR)
Prerequisite or corequisite: Biol 13 or Envmt 2
Also offered as Biol 13L. Not open for credit to students who have completed or are currently enrolled in Biol 13L.
Acceptable for credit: CSU, UC
Field laboratory course which identifies, measures, and tests the sustainable environmental principles discussed in ENVMT 2 or BIOL 13: Qualitative and macro/micro quantitative methods, identifying and sustaining ecosystems, nutrient cycling, geographical and aquatic ecology, population dynamics, water and energy systems, air pollution and hazardous waste, and farming methods and use of pesticides. 0303.00
CSU area B3 (with Biol 13 satisfies lab requirement); IGETC area 5C (with Biol 13 satisfies lab requirement)
ENVMT 8
Introduction to Ranger/Naturalist Outdoor Education
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Overview of nature/culture interpretation and education: Planning for age-, theme- and place-appropriate presentations for diverse ages and settings; resources and employment opportunities in the environmental management field. 0303.00

ENVMT 9
Early Childhood Environmental Education
3 units, 3 hours lecture (GR or P/NP)
Also offered as Chdev 99. Not open for credit to students who have completed or are currently enrolled in Chdev 99.
Acceptable for credit: CSU
Introduction to early childhood environmental education: Development of safe, age/developmentally-appropriate activities that connect young children with the wonder of their natural surroundings; multidisciplinary focus on environmental education and its relationship to other aspects of early childhood education such as science, literacy, art, and music curriculum; curriculum development and strategies for preparation of successful lesson plans for classrooms, schoolyards and parks. 0303.00

ENVMT 10
Urban Ecology
2 units, 2 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Investigation of selected urban environmental issues: Relationship of environmental issues to social problems, urban and natural resource policy and planning issues, and critical natural processes supporting urban systems; research of urban environmental impacts, survey of ongoing urban ecological restoration projects, and grassroots movements. 0303.00

ENVMT 11
Sustainable Urban and Regional Planning
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as Emart 41.
Acceptable for credit: CSU
Survey of sustainable urban and regional planning: Overview of the problems and solutions of environmentally and socially sustainable planning of cities, suburbs, and rural areas; history, philosophies and theories of urban planning; rural land use and planning strategies; and the regional approach to planning. 0303.00

CSU area D

ENVMT 12
Environmental Racism and Justice
3 units, 3 hours lecture (GR or P/NP)
Also offered as Afram 38. Not open for credit to student who have completed or are currently enrolled in Afram 38.
Acceptable for credit: CSU, UC
American and global environmental policy and ethics concentrating on their impact on minorities and people of color: Unequal environmental protection; the politics of pollution, race and waste dumping; and the intersection of the Civil Rights and Environmental Justice Movements with an emphasis on civil rights, social justice, white supremacy, and the impact of the Environmental Movement on people of color. 0303.00
AA/AS area 2, 5; CSU area D; IGETC area 4; UCB American Cultures

ENVMT 13
Introduction to Environmental Policy and Law
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as Envst 15.
Acceptable for credit: CSU, UC
Introduction to the major environmental policies and laws of cities, counties, California and the United States: Process and politics of creation of environmental laws and regulations, current trends, and need for additional laws; some case histories and local issues examined. 0303.00
AA/AS area 2; CSU area D; IGETC area 4

ENVMT 14A
Environmental Impact Reports
1.5 units, 1.5 hours lecture (GR or P/NP)
Modular, open-entry/open-exit course
Formerly offered as Emart 44.
Acceptable for credit: CSU
Introduction to, analysis and writing of environmental impact reports, statements, assessments and reviews: Background, purposes and uses, and content of EIRs; analyzing and commenting on EIR elements and tests of significance. 0303.00

ENVMT 14B
Environmental Impact Reports
1.5 units, 1.5 hours lecture (GR or P/NP)
Modular, open-entry/open-exit course
Formerly offered as Emart 44.
Acceptable for credit: CSU
Continuation of ENVMT 14A: Goals and requirements of report writing, data research and collection, and writing a preliminary draft. 0303.00
ENVMT 15
Environmental Economics
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as Envst 14.
Acceptable for credit: CSU, UC
Introduction to the economic analysis of environmental issues: Basic economic theory applicable to environmental issues and current economic implications of the emerging “green” economy; market environmentalism, tradeoffs, and green accounting; urban and corporate environmentalism; economics of environmental regulation and of non-renewable resources and sustainability. 0303.00
AA/AS area 2; CSU area D; IGETC area 4

ENVMT 16
Introduction to Healthy Community Systems
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to healthy community systems and their impact on both human and environmental health: Exploration of how “health for all” can be built into neighborhoods and urban plans and policies; includes field projects. 0303.00

ENVMT 17A
Environmentalism in Action
.5 units, .5 hours lecture (GR or P/NP)
Modular, open-entry/open-exit course
Acceptable for credit: CSU
Theory, practice, history and strategies of environmental activism: Introduction to basic principles of ecology and history of the environmental movement; theories and plans based on conservationism, biodiversity, energy and energy use, environmental justice, and jobs related to the environment. 0303.00

ENVMT 17B
Environmentalism in Action
.5 units, .5 hours lecture (GR or P/NP)
Modular, open-entry/open-exit course
Acceptable for credit: CSU
Theory, practice, history and strategies of environmental activism: Theories of non-violence, conflict resolution and collaboration, and case studies. 0303.00

ENVMT 17C
Environmentalism in Action
.5 units, .5 hours lecture (GR or P/NP)
Modular, open-entry/open-exit course
Acceptable for credit: CSU
Theory, practice, history and strategies of environmental activism: Skills in environmental organizing, analyzing issues and setting goals, writing skills and media, actions and collaborative planning. 0303.00

ENVMT 17D
Environmentalism in Action
.5 units, .5 hours lecture (GR or P/NP)
Modular, open-entry/open-exit course
Acceptable for credit: CSU
Theory, practice, history and strategies of environmental activism: Development of an action plan and implementation methods. 0303.00

ENVMT 18
Environmental Writing
2.5 units, 2 hours lecture, 1.5 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Introduction to environmental writing: Application and practice, through the use of reading and writing exercises; technical, creative, descriptive, report and publicity writing types commonly used in the environmental field. 0303.00

ENVMT 19
Civilization’s Impact on the Environment: Psychology of Trashing the Earth
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Also offered as Psych 19. Not open for credit to students who have completed or are currently enrolled in Psych 19.
Introduction to civilization’s impact on the environment: Connections between human psychosocial development and the creation of both environmental problems and their solutions, and human communities and their niche within and relative balance with the environment in past millennia; the human psyche, its origins in nature, and its influence on the story of life on earth; exploration of the opportunities and obstacles to planning a sustainable future. 0303.00
AA/AS area 2; CSU area D; IGETC area 4
ENVMT 20
Introduction to Green Building and Ecological Design
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to green, regenerative, and natural building materials and renovation utilizing resource conservation: Building site selection; energy-efficient design and construction; solar, wind, and renewable energy systems; solid waste management and recycling; landscape design, and water catchment and conservation; and building rating systems.  0303.00

ENVMT 20L
Introduction to Green Building and Energy Options Lab
1 unit, 3 hours laboratory (GR or P/NP)
Prerequisite or corequisite: Envmt 20 or 21
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 4 units.
Hands-on use of skills learned in Green Building and Sustainable Energy Options, ENVMT 20 and 21: Community and campus lab/studio projects following the basic CSI design and construction format and showing green methods and resources; project topics cover design and installation of sustainable energy system devices, water conservation and reuse and site landscape systems, and environmentally sound building materials and practices.  0303.00

ENVMT 21
Sustainable Energy Options
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Survey of the many alternatives to current energy uses: Nature of the energy crisis, local and national energy policies, new job opportunities, and personal options; exploration of ways to match needs for energy with abundant supplies of renewable energy, as well as methods of conserving energy.  0303.00

ENVMT 22
Energy-Efficient Design and Construction
2 units, 1.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 8 units.
Strategies for energy- and resource-efficient living in the Merritt College Self-Reliant House and Garden: Design and construction, testing of energy and resource-efficient model systems, measurements and evaluation of active and passive heating and cooling systems, alternative energy sources, and recycling systems.  0303.00

ENVMT 23
Introduction to Solid Waste Management and Recycling
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as SWMT 10.
Acceptable for credit: CSU
Solid waste recycling and management: Characteristics and amounts of solid wastes, collection systems, introduction to treatment processes, closing the loop and return of treated wastes to the environment.  0303.00

ENVMT 24
Energy Conservation and Auditing
2 units, 2 hours lecture (GR or P/NP)
Formerly offered as Etech 16.
Acceptable for credit: CSU
Examination of household and large building energy usage, conservation, and rehabilitation: Energy concepts, heat-loss calculations, basic solar concepts, site selection, design improvements, appliances, and utility systems.  0303.00

ENVMT 25
Introduction to Wildlife Conservation
3 units, 3 hours lecture (GR or P/NP)
Also offered as Biol 46. Not open for credit to students who have completed or are currently enrolled in Biol 46.
Acceptable for credit: CSU, UC
Introduction to conservation biology, biodiversity, and wildlife observation: Biodiversity, evolution and ecosystems; conservation and field observation methods including visits to local sites to identify and observe species in their ecological context.  0303.00
### ENVMT 26
**Introduction to Environmental Health**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to the growing career fields of environmental health, occupational health, and public health: Emphasis on toxic pollution, environmental diseases, and ecological principles locally and internationally. 0303.00

### ENVMT 27
**Ethnoecology: Ethnic Environmental Studies**
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to the scientific, technical, and cultural foundations for working with various ethnic and indigenous groups to promote equity in environmental management: Examination of the diverse ecological knowledge and practices among ethnic and indigenous cultures in North America (Mexican-American and Native American), Latin America, Asia, and Africa; safeguarding the resource rights of indigenous peoples. 0303.00
AA/AS area 2; CSU area D; IGETC area 4

### ENVMT 30
**Ecological Restoration: Uplands**
2 units, 2 hours lecture (GR or P/NP)
Formerly offered as Envst 22.
Acceptable for credit: CSU
Survey of principles, techniques, and their applications to the practice of ecological restoration above the waterline: Emphasis on the use of native trees, grasses, shrubs, and wildflowers in the urban/suburban environment, as well as in parks and other wildlands. 0303.00

### ENVMT 31
**Wetlands Restoration**
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as Envst 25.
Acceptable for credit: CSU
Principles and practices in the development and restoration of wetlands: Seasonal wetlands, fresh- and salt-water marshlands, and field lectures in a variety of wetland environments. 0303.00

### ENVMT 32
**Watershed Assessment**
.5-3 units, .5-3 hours lecture (GR or P/NP)
Modular (modules A-F), open-entry/open-exit course Acceptable for credit: CSU
Course study under this section may be repeated six times for a maximum of 3 units.
Introductory and more advanced technical workshops on watershed assessment and adaptive management techniques for whole watersheds: Multiple values of water quality, quantity, habitat, and beneficial uses studied at field sites. Specific requirements for actual watershed projects provide the workshop materials. 0303.00

### ENVMT 33AA
**Introduction to Creek and Watershed Restoration: General Aspects**
1 unit, 1 hour lecture (GR or P/NP)
Modular course
Formerly offered as Emart 23A.
Acceptable for credit: CSU
Principles and practices in the restoration and monitoring of creeks and watersheds: Overview of global water cycle and atmospheric circulation; basic hydrologic principles and processes including erosion, flooding, and deposition of sediment. 0303.00

### ENVMT 33AB
**Introduction to Creek and Watershed Restoration: General Aspects**
1 unit, 1 hour lecture (GR or P/NP)
Modular course
Formerly offered as Emart 23A.
Acceptable for credit: CSU
Principles and practices in the restoration and monitoring of creeks and watersheds: Introduction to physical, chemical and biological characteristics of streams, springs and groundwater; restoration techniques with native plants. 0303.00

### ENVMT 33AC
**Introduction to Creek and Watershed Restoration: General Aspects**
1 unit, 1 hour lecture (GR or P/NP)
Modular course
Formerly offered as Emart 23A.
Acceptable for credit: CSU
Principles and practices in the restoration and monitoring of creeks and watersheds: Environmental laws and regulations covering watercourses, and land use alternatives; community involvement and history of restoration activities. 0303.00
ENVMT 33B
Introduction to Creek and Watershed Restoration: Hydrology and Erosion Control
2 units, 2 hours lecture (GR or P/NP)
Formerly offered as Emart 23B.
Acceptable for credit: CSU
Principles and practices in the restoration and monitoring of creeks and watersheds: Introduction to aquatic biology, water chemistry, and groundwater; emphasis on techniques of erosion control in streams and ponds. 0303.00

ENVMT 33C
Introduction to Creek and Watershed Restoration: Water Chemistry
2 units, 2 hours lecture (GR or P/NP)
Formerly offered as Emart 23C.
Acceptable for credit: CSU
Principles and practices in the restoration and monitoring of creeks and watersheds: Emphasis on chemistry, pollution sources and possible mitigation techniques, and water chemistry monitoring techniques. 0303.00

ENVMT 34
From Dams to Greywater: California Water Systems and Alternatives
2 units, 2 hours lecture, 1 hour laboratory (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in Lanht 48OP.
Acceptable for credit: CSU
Study of California’s water systems and its influence on regional agricultural, industrial, and urban development and transformation of the San Francisco watershed area: Integrated study of the geography, hydrology, ecology, history, water policy, ecological agriculture, permaculture, and resource management of the San Francisco watershed area; critical analysis of the social, political, and economic forces that influenced water development and current water management challenges; and exploration of sustainable water harvesting and wastewater treatment strategies. 0303.00

ENVMT 35
Introduction to Urban Agro Ecology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to the expanding production and distribution of healthy food and environmentally sustainable agriculture in and near cities: Organic and intensive agriculture, field methods, policy, economy, ecology, and equity. 0303.00

ENVMT 36
Introduction to Watershed Science
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to key components of watershed management protocols: Basic training for management of watershed and estuary projects, coastal and river processes, water monitoring techniques, habitat restoration techniques, geospatial technology, and community participation. 0303.00

ENVMT 37
Watershed Teaching for K-6
.5-1 unit, .5-1 hour lecture (GR or P/NP)
Open-entry/open-exit course
Acceptable for credit: CSU
Course study under this section may be repeated one time for a maximum of 1 unit.
Hands-on learning of environmental education strategies and curriculum for elementary school ages, focused on the local watershed area: Field study of the ecosystems of creeks and wetlands, medicinal and edible local native plant life, methods of involving students in watershed protection; activities include mapping of the local watershed, study of life in creeks and wetlands, and watershed restoration. 0303.00

ENVMT 38A
Natural Building
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as Lanht 36A. Not open for credit to students who have completed or are currently enrolled in Lanht 36A.
Acceptable for credit: CSU
Building and design techniques which use energy-efficient, local, natural, sustainable, and accessible materials with a focus on urban applications: Historical and current uses of natural building materials, hands-on experience, guest lecturers, and tours of local projects; emphasis on appropriate site-specific materials and construction of natural building foundations and small projects (benches, ovens, walls). 0303.00
CURRICULUM PATTERNS AND COURSES

ENVMT 38B  
Natural Building  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Also offered as Lanht 36B. Not open for credit to students who have completed or are currently enrolled in Lanht 36B.  
Acceptable for credit: CSU  
Continuation of ENVMT 38A: Site assessment, design sketches, and construction of natural building roof systems and small projects (natural plasters, rammed earth). 0303.00

ENVMT 38C  
Natural Building  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Also offered as Lanht 36C. Not open for credit to students who have completed or are currently enrolled in Lanht 36C.  
Acceptable for credit: CSU  
Continuation of ENVMT 38B: Independent student projects and construction of poured adobe flooring and natural building walls with plastering. 0303.00

ENVMT 39A  
Introduction to Global Positioning Systems (GPS) I  
.5 units, .5 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Introduction to basic principles of Global Positioning Systems (GPS): Principles and terminology of GPS. 0303.00

ENVMT 39B  
Introduction to Global Positioning Systems (GPS) II  
.5 units, .5 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Introduction to Global Positioning Systems (GPS) operation: GPS systems application and computer terminal operation. 0303.00

ENVMT 39C  
Introduction to Geographic Information Systems (GIS)  
2 units, 2 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Introduction to basic principles and use of Geographic Information Systems (GIS): Overview of computerized mapmaking, database information management, and associated computer technology; survey of common GIS software. 0303.00

ENVMT 39D  
Geographic Information Systems Reader Software  
.5 unit, .5 hours lecture (GR or P/NP)  
Also offered as Geog 39D. Not open for credit to students who have completed or are currently enrolled in Geog 39D.  
Acceptable for credit: CSU  
Introduction to basic concepts of geographic information systems software as used in modern society and use of simple GIS reader software for application to academic study and career preparation: Focus on how to load GIS files, basic data manipulation, printing and exporting for preparation of reports and PowerPoint presentations. 0303.00

ENVMT 40  
From Tree to Sea: A Bay Area Environmental Cross Section  
1-3 units, 1-3 hours lecture (GR or P/NP)  
Open-entry/open-exit course  
Course meets the environmental field studies requirement for environmental majors. Environmental majors must complete the maximum 3 units.  
Acceptable for credit: CSU  
Course study under this section may be repeated two times for a maximum of 3 units.  
Introduction to the outdoor environment of the San Francisco Bay watershed environment and nearby sites: Field study of ecosystems of the bay, hills, forest lands, creeks and wetlands; sampling of water quality and marine life; and explorations of sustainable cultural, ecotourism, and economic uses of the Bay environment. 0303.00

ENVMT 41  
Wildlife and Watershed Restoration Gardening  
1-2 units, 1-2 hours lecture (GR or P/NP)  
Open-entry/open-exit course  
Acceptable for credit: CSU  
Course study under this section may be repeated one time for a maximum of 2 units.  
Planning and implementing a garden or restoration landscape with native plants to create a refuge habitat for wildlife, and protect water quality in creeks and the San Francisco Bay: Ecology of local plant and animal communities; hands-on activities in project planning and design, plant propagation, erosion control, and invasive weed removal. 0303.00
## ENVMT 42
**Ecology, Culture and Stewardship of California Landscapes**
1-3 units, 1-3 hours lecture (GR or P/NP)
Modular (modules A-C), open-entry/open-exit course
Acceptable for credit: CSU
Course study under this section may be repeated two times for a maximum of 3 units.
Introduction to ecological restoration and the relationships of people to local ecology, including land use history, native biota, and native landscapes: Field-class exploration of ancient and emerging stewardship knowledge from ethnobotany and art to horticulture and restoration ecology. 0303.00

## ENVMT 47
**Environmental Field Methods**
3-5 units, 2-3 hours lecture, 3-9 hours laboratory (GR or P/NP)
Open-entry/open-exit course
Recommended preparation: Biol 10 or equivalent, and Math 203 are strongly recommended
Acceptable for credit: CSU
Environmental field study methodology: Exploration of a diversity of environments in the East Bay, emphasizing the field study methods and techniques appropriate to each environment; special emphasis on the Merritt College campus and its environs. 0303.00

## ENVMT 48NA-TZ
**Selected Topics in Environmental Management and Technology**
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
See section on Selected Topics. 0303.00

## ENVMT 49
**Independent Study in Environmental Management and Technology**
.5-5 units (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times.
See section on Independent Study. 0303.00

## ENVMT 50
**Special Projects in Ecological Planning, Implementation and Maintenance**
.5-3 units, .5-2.5 hours lecture, 0-1.5 hours laboratory (GR or P/NP)
Open-entry/open-exit course (Levels 1-4)
Formerly offered as Emart 10A-D.
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 12 units.
Ongoing real-world projects in environmental management, funding, policy, restoration and maintenance practices for buildings, watersheds, and landscapes at public sites: The collaborative planning process; ecological assessment and development of timelines, work plans and budgets for ecological restoration; green and regenerative building; project evaluation and monitoring. 0303.00

## ENVMT 210A
**Environmental Photography and Photo Monitoring I**
1.5 units, 1.5 hours lecture (GR or P/NP)
Introduction to environmental photography: Historical, social, and technical uses of environmental photography and image making; hands-on introduction to beginning visual and technical methods using a camera to create and edit images on a basic level. 0303.00

## ENVMT 210B
**Environmental Photography and Photo Monitoring II**
1.5 units, 1.5 hours lecture (GR or P/NP)
Introduction to environmental photography and photo monitoring in the field: Field demonstration and projects involving selection, shooting, and editing of images; producing photo documents and shows. 0303.00

## ENVMT 248NA-TZ
**Selected Topics in Environmental Management and Technology**
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
See section on Selected Topics. 0303.00
**CURRICULUM PATTERNS AND COURSES**

**ENVMT 501**
Sustainable Environmental Systems Projects (Non-Credit)
0 units, 3 hours lecture, 3 hours laboratory (Not graded)
Course study under this section may be repeated as necessary.
Introduction to how modern systems of industry and policy impact the quality, health and safety of communities: Practical short- and long-term ways to improve air and water quality and reduce risks from disruptions like storms, fires, and earthquakes; sustainable environmental opportunities at home and in local business, product choices, and public resources in buildings and the landscape. 0303.00

**ENVIRONMENTAL STUDIES (ENVST)**

**ENVST 48NA-TZ**
Selected Topics in Environmental Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 0302.00

**ENVST 60A-H**
Natural History of the Bay Area
The following courses are offered under this rubric.

**ENVST 60A**
Natural History of the Bay Area: The State Parks, Part I
.5-7 units, .5-7 hours lecture (GR or P/NP)
Also offered as Biol 60A. Not open for credit to students who have completed or are currently enrolled in Biol 60A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Survey of the natural history of the Bay Area: Climate, geology, geologic history, geomorphology, flora and fauna of selected Bay Area State Parks including Eastshore, Butano, Sugarloaf Ridge, and Henry W. Coe State Parks. 0302.00

**ENVST 60B**
Natural History of the Bay Area: Mt. Diablo State Park
1-5 units, 1-5 hours lecture (GR or P/NP)
Also offered as Biol 60B. Not open for credit to students who have completed or are currently enrolled in Biol 60B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Survey of the natural history of Mt. Diablo State Park: Climate, geology, geologic history, geomorphology, flora and fauna; survey techniques for field studies and conservation strategies for the endangered species of the park; includes on-site field studies at Mt. Diablo State Park. 0302.00

**ENVST 60C**
Natural History of the Bay Area: Herpetology
1-4 units, 1-4 hours lecture, (GR or P/NP)
Also offered as Biol 60C. Not open for credit to students who have completed or are currently enrolled in Biol 60C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 4 units.
Survey of the natural history of reptiles and amphibians of the Bay Area: Evolution of reptiles, amphibians and archosaurs; survey techniques for field studies and conservation strategies for the endangered herpetiles of the Bay Area; cladistics and phylogenetic studies of reptiles and amphibians; includes on-site field studies in various Bay Area state and regional parks. 0302.00

**ENVST 60D**
Natural History of the Bay Area: Fall Herpetology
1-2 units, 1-2 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Also offered as Biol 60D. Not open for credit to students who have completed or are currently enrolled in Biol 60D.
Survey of the natural history of reptiles and amphibians of the Bay Area actively found during the Fall season: Survey techniques for field studies and conservation strategies for the endangered herpetiles of the Bay Area; cladistics and phylogenetic studies of reptiles and amphibians; field studies includes on-site studies in various Bay Area state and regional parks. 0302.00
ENVST 62A-H
Natural History of California
The following courses are offered under this rubric.

ENVST 62A
Natural History of Joshua Tree National Park
.5-4 units, .5-4 hours lecture (GR or P/NP)
Also offered as Biol 62A. Not open for credit to students who have completed or are currently enrolled in Biol 62A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the natural history of Joshua Tree National Park: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Mojave and Sonoran Deserts of Joshua Tree National Park, California; history, archeology, and current conservation issues. 0302.00

ENVST 62B
Natural History of the Redwood Forest
.5-2 units, .5-2 hours lecture (GR or P/NP)
Also offered as Biol 62B. Not open for credit to students who have completed or are currently enrolled in Biol 62B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the natural history of the Redwood Forest: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Redwood Region of California; history, archeology, and current conservation issues. 0302.00

ENVST 62C
Natural History of Point Lobos and the Big Sur Coast
.5-1.5 units, .5-1.5 hours lecture (GR or P/NP)
Also offered as Biol 62C. Not open for credit to students who have completed or are currently enrolled in Biol 62C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the natural history of Point Lobos and the Big Sur Coast: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Point Lobos and Big Sur Region of California; history, archeology, and current conservation issues; emphasis on adaptations to the Central California coastal environment by organisms such as California gray whales, sea otters, coast redwoods and the endemic Santa Lucia fir. 0302.00

ENVST 62D
Natural History of Devil’s Postpile and the Eastern Sierra
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Biol 62D. Not open for credit to students who have completed or are currently enrolled in Biol 62D.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the natural history of Devil’s Postpile and the Eastern Sierra: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Devil’s Postpile and the Eastern Sierra Region of California; history, archeology, and current conservation issues; emphasis on the region’s multifaceted natural history and montane plant and animal species. 0302.00

ENVST 62E
Natural History of the Sutter Buttes
.5-1.5 units, .5-1.5 hours lecture (GR or P/NP)
Also offered as Biol 62E. Not open for credit to students who have completed or are currently enrolled in Biol 62E.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the natural history of the Sutter Buttes: Unique geography (the only mountains in the middle of California’s Central Valley), geology, geologic history, geomorphology, and ecology of its blue oak woodlands; specially-arranged guided field sessions to the Buttes which are not open to the general public. 0302.00

ENVST 62F
Natural History of the Klamath-Siskiyou Mountains
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Biol 62F. Not open for credit to students who have completed or are currently enrolled in Biol 62F.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the natural history of the Klamath-Siskiyou Mountains: Climate, geology, geologic history, geomorphology, plants and animals and their interactions; history and conservation issues; emphasis on the biodiversity of the region, which has the highest diversity of coniferous tree species in North America due to its being a refugium during the Ice Ages. 0302.00
CURRICULUM PATTERNS AND COURSES

ENVST 62G
Natural History of Monterey Bay
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Biol 62G. Not open for credit to students who have completed or are currently enrolled in Biol 62G.
Acceptable for credit: CSU
Introduction to the natural history of Monterey Bay: Climate, geology, geologic history, geomorphology, plants and animals and their interactions in the Monterey Bay Region of California; history, archeology, and current conservation issues; emphasis on adaptations to the Central California coastal environment by organisms such as California gray whales, sea otters, and the endemic Monterey Cypress. 0302.00

ENVST 62H
Natural History of Lassen Volcanic National Park
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Biol 62H. Not open for credit to students who have completed or are currently enrolled in Biol 62H.
Formerly offered as Biol 107.
Acceptable for credit: CSU
Introduction to the natural history of Lassen Volcanic National Park: Climate, geology, geologic history, geomorphology, plant communities, and flora and fauna and their interactions in Lassen Volcanic National Park, the most recently-active volcano in California. 0302.00

ENVST 63A-H
Wildlife of North America
The following courses are offered under this rubric.

ENVST 63A
Ecology, Evolution and Future of the Wolves of Yellowstone
.5-3.5 units, .5-3.5 hours lecture (GR or P/NP)
Also offered as Biol 63A. Not open for credit to students who have completed or are currently enrolled in Biol 63A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the evolution of the carnivores and the dog family: Relationship of canids, particularly the wolf, to their prey and the role they have played in the evolution of large herbivores of the Northern Hemisphere; emphasis on the interrelationships between the wolf, elk, and other ungulates of the Yellowstone ecosystem, and reintroduction of the wolf to the park amid controversy; field studies and observations of wolves and their prey in their natural environment in Yellowstone. 0302.00

ENVST 63B
Natural History and Wildlife of the North Woods/Boundary Waters Canoe Area
.5-7 units, .5-7 hours lecture (GR or P/NP)
Also offered as Biol 63B. Not open for credit to students who have completed or are currently enrolled in Biol 63B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the natural history and wildlife of the North Woods/Boundary Waters Canoe Area: Climate, geography, geology, flora and fauna of the North Woods (boreal) forests of Northern Minnesota, with particular emphasis on the glacial landforms and wolf/prey interactions in the pristine wilderness known as the Boundary Waters Canoe Area. 0302.00

ENVST 70A-H
Natural History of Rivers
The following courses are offered under this rubric.

ENVST 70A
Natural History of the Green River
.5-6 units, .5-6 hours lecture (GR or P/NP)
Also offered as Biol 70A. Not open for credit to students who have completed or are currently enrolled in Biol 70A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the dynamics of the Green River in Wyoming and Utah as well as to the natural history of the canyons and valleys through which it flows: Basic hydraulic phenomena as well as the finer craft and art of navigating the river in river rafts and kayaks; classroom sessions followed by a float trip on the Green River in Dinosaur National Monument. 0302.00
ENVST 70B
Natural History of the Rogue River
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Biol 70B. Not open for credit to students who have completed or are currently enrolled in Biol 70B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the dynamics of the Rogue River system in Oregon as well as to the natural history of the canyons and valleys through which it flows: Basic hydraulic phenomena as well as the finer craft and art of navigating the river in river rafts and kayaks; classroom sessions followed by a float trip on the river. 0302.00

ENVST 70C
Natural History of the Selway River and Selway-Bitterroot Wilderness
.5-4 units, .5-4 hours lecture (GR or P/NP)
Also offered as Biol 70C. Not open for credit to students who have completed or are currently enrolled in Biol 70C.
Acceptable for credit: CSU
Introduction to the natural history of the Selway River and the Selway-Bitterroot Wilderness in the Rocky Mountains in northern Idaho: Geology, geologic history (including alpine glaciation), geomorphology, forest types and vegetation communities, fire ecology, and fauna (including recently reestablished wolf populations); river dynamics, hydraulic phenomena and the craft and art of navigating a river in rafts and kayaks; classroom sessions followed by a float trip on the Selway River in northern Idaho. 0302.00

ENVST 76A
Native Americans and the Bay Area Environment: Pre-European Period
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Natam 76A. Not open for credit to students who have completed/are currently enrolled in Natam 76A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the pre-European period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization. 0302.00
AA/AS area 2, 5 (if course taken for 3 or more units)

ENVST 76B
Native Americans and the Bay Area Environment: Mission Period
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Natam 76B. Not open for credit to students who have completed/are currently enrolled in Natam 76B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the Mission period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish settlers on the land and Native peoples. 0302.00
AA/AS area 2, 5 (if course taken for 3 or more units)

ENVST 76C
Native Americans and the Bay Area Environment: Rancho and Anglo Period
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Natam 76C. Not open for credit to students who have completed/are currently enrolled in Natam 76C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the Rancho and Anglo period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish and Anglo settlers on the land and Native peoples. 0302.00
AA/AS area 2, 5 (if course taken for 3 or more units)
CURRICULUM PATTERNS AND COURSES

ENVST 76D
Native Americans and the Bay Area Environment: Contemporary Period
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Natam 76D. Not open for credit to students who have completed/are currently enrolled in Natam 76D.

Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.

Acceptable for credit: CSU

Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the contemporary period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish and Anglo settlers on the land and Native peoples. 0302.00

AA/AS area 2, 5 (if course taken for 3 or more units)

ENVST 78A-H
American Indians and the Ecology of North America
The following courses are offered under this rubric.

ENVST 78A
American Indians and the Ecology of Hopi/Navajo Land
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Natam 78A. Not open for credit to students who have completed or are currently enrolled in Natam 78A.

Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.

Acceptable for credit: CSU

Study of the Colorado Plateau in the Four Corners region and the Hopi and the Navajo: Basic ecological principles; unique geology, landforms, and plant and animal life, along with Hopi/Navajo adaptations to the dry semidesert region; pre- and post-contact comparisons, ancient Hopi presence and arrival of the relative newcomer Navajos, effects of European contact on both cultures; and current land-use conflicts. 0302.00

AA/AS area 2, 5 (if course taken for 3 or more units)

ENVST 78B
Lewis and Clark Expedition: Ecology and Indians, Part I
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Natam 78B. Not open for credit to students who have completed or are currently enrolled in Natam 78B.

Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.

Acceptable for credit: CSU

Course traces the first half of the route of Lewis and Clark’s Corps of Discovery in 1804-06: The journey from the Missouri/Mississippi River confluence to the Continental Divide, with an emphasis on the ecology and the Indians along the path of their journey. 0302.00

AA/AS area 2, 5 (if course taken for 3 or more units)

ENVST 80A-H
Birds of Central California and the Bay Area
The following courses are offered under this rubric.

ENVST 80A
Raptors of Central California and the Bay Area
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Biol 80A. Not open for credit to students who have completed or are currently enrolled in Biol 80A.

Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.

Acceptable for credit: CSU

Introduction to the basic biology of birds with an emphasis on hawks, eagles, falcons, kites, owls, vultures and other raptors of Central California and the Bay Area: Identification, classification, evolution, migration and ecology of the raptors; field sessions in outstanding fall migration and overwintering areas presenting these birds in their natural habitats. 0302.00
CURRICULUM PATTERNS AND COURSES

ENVST 80B
Bird Songing: The Ecology of Bird Songs and Identification by Ear
.5-2.5 units, .5-2.5 hours lecture (GR or P/NP)
Also offered as Biol 80B. Not open for credit to students who have completed or are currently enrolled in Biol 80B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Introduction to the identification, classification, and ecology of birds in terms of how they communicate and use their songs: Emphasis on Central California and Bay Area birds, with special attention paid to birds such as passerines, hummingbirds, and parrots that memorize and learn their songs; concepts relating to how birds sing, learn their songs, mimic one another, and play duets together. 0302.00

ENVST 80C
Fundamentals of Ornithology and Birding in Central California and the Bay Area
.5-7 units, .5-7 hours lecture (GR or P/NP)
Also offered as Biol 80C. Not open for credit to students who have completed or are currently enrolled in Biol 80C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units.
Acceptable for credit: CSU
Fundamentals of ornithology: Emphasis on habitats from the pelagic to the High Sierra and the birds found there. 0302.00

ENVST 248NA-TZ
Selected Topics in Environmental Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 0302.00

ETHNIC STUDIES
(ETHST)

FIRE SCIENCE
(FISCI)
FISCI 48NA-TZ
Selected Topics in Fire Science
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 2133.50

FISCI 201
Fire Service Organization
3 units, 3 hours lecture (GR or P/NP)
Introduction to fire service organization and careers in the fire protection field: Fire technology and history of fire service, organization and function of public and private protection services, fire department as part of local government, laws and regulations affecting fire service, fire service nomenclature, specific fire protection, fire loss analysis, basic fire chemistry and physics, introduction to fire strategy and tactics, and Incident Command System. 2133.50

FISCI 202
Fundamentals of Fire Prevention
3 units, 3 hours lecture (GR or P/NP)
Fundamentals of fire prevention: History and philosophy of fire prevention, organization and operation of fire prevention organizations, use of fire codes, identification and correction of fire hazards, the relationship of fire prevention to built-in fire protection systems, fire investigation, and fire safety education. 2133.50

FISCI 203
Building Construction for Fire Protection
3 units, 3 hours lecture (GR or P/NP)
Fundamentals of building construction that relate to fire and life safety: Elements of construction and design of structures as key factors in building inspections, pre-planning of fire operations, and operations at fire and building-collapse emergencies; development and evolution of building and fire codes and study of past fires and building collapses in residential, commercial, and industrial occupancies. 2133.50

FISCI 204
Fire Behavior and Combustion
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Math 250 or 251D or 253
Theory and fundamentals of how and why fires start, spread, and are controlled: In-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire-control techniques. 2133.50
FISCI 205  
**Fire Protection Equipment and Systems**  
3 units, 3 hours lecture (GR or P/NP)  
Fundamentals of design and operation of fire detection and alarm systems: Heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection, portable fire extinguishers, and design and installation requirements. 2133.50

FISCI 206  
**Fire Fighter Safety and Public Education**  
3 units, 3 hours lecture (GR or P/NP)  
Fundamentals of assessing fire dangers and the handling of common fire situations in the home and in the workplace: Common fire and health hazards, risk abatement and preparation for unforeseen fire emergencies, and roles and responsibilities in educating the public on fire safety. 2133.50

FISCI 208  
**Fire Fighter I Certification—Preparation A**  
4 units, 3 hours lecture, 4 hours laboratory (GR or P/NP)  
Prerequisite: Fisci 201, 202, 203, 204, and 205  
Introduction to the use of fire fighting equipment and rescue techniques: Personal protective equipment, lifting and hoisting equipment, ground ladders, hoses, nozzles, fittings, various rescue techniques; and manipulative training in ropes, ladders, hose and extrication equipment. 2133.50

FISCI 209  
**Fire Fighter I Certification—Preparation B**  
4 units, 3 hours lecture, 4 hours laboratory (GR or P/NP)  
Prerequisite: Fisci 208  
Advanced manipulative and technical training in the use of fire fighting equipment, fire-attack procedures, and rescue operations: Hose and ladder evolutions; fire protection systems; basic salvage and overhaul techniques; forcible entry; wildland, interior, house and flammable liquid fire-attack procedures; and fire-control, ventilation, and extinguishment techniques for various situations. 2133.50

FISCI 210  
**Firefighter Academy**  
20 units, 17.14 hours lecture, 10.28 hours laboratory (300 term lecture and 180 term laboratory hours) (GR)  
Prerequisite: EMT 210 or EMT certification  
Recommended preparation: PE 110  
Meets Firefighter I, as well as Rescue Systems, Confined Space, and HAZ MAT FRO certification requirements. Manipulative and technical training in the use of firefighting equipment, fire attack procedures, and rescue operations: Hose and ladder evolutions, fire protection systems, basic salvage and overhaul techniques; forcible entry; wildland, interior, house and flammable liquid fire-attack procedures; and fire control, ventilation, and extinguishment techniques for various situations. 2133.50

FISCI 220  
**Fire Investigation**  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Fisci 204  
Recommended preparation: Math 250 or 251D or 253  
Theory and fundamentals of fire investigation and the processes and procedures involved: Legal search and seizure; burn-pattern analysis, collection of evidence, and ignition sources; fire investigations of structures, vehicles, and wildland; report writing; and testifying in court as a fire-cause and fire-origin expert. 2133.50

FISCI 221  
**Aircraft Rescue & Firefighting Control V**  
1 unit, 10 term hours lecture, 30 term hours laboratory (GR or P/NP)  
Basic training for the airport firefighter: Response to an incident, fire suppression and control and use of extinguishing agents; evacuation and rescue process, and post-emergency operations such as salvage and scene preservation. 2133.50

FISCI 222  
**Confined Space Awareness and Rescue**  
.5 units, .5 hours lecture (GR or P/NP)  
Basic training for the firefighter involving awareness of confined-space dangers and entry and rescue in confined spaces: CAL-OSHA codes governing confined spaces; confined-space identification and atmospheric and physical hazards; and equipment, techniques, procedures, and operational positions used in confined-space rescue operations. 2133.50
CURRICULUM PATTERNS AND COURSES

FISCI 248NA-TZ
Selected Topics in Fire Science
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 2133.50

FOREIGN LANGUAGES
(FLANG)

See listings under Chinese and Spanish.

GEOGRAPHY
(GEOG)

GEOG 1
Physical Geography
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Basic elements of the earth’s physical systems and processes: Earth-sun relations, weather, climate, water, plate tectonics, landforms, soils, and ecosystems and their interrelationships and global distribution patterns. 2206.00
AA/AS area 1; CSU area B1, B3 (with Geog 1L satisfies lab requirement), D; IGETC area 5A, 5C (with Geog 1L satisfies lab requirement)

GEOG 1L
Physical Geography Laboratory
1 unit, 3 hours laboratory (GR)
Prerequisite or corequisite: Geog 1
Acceptable for credit: CSU, UC
Practical application of the basic concepts and principles of physical geography: Earth-sun relationships, weather, climate, geologic processes, landforms, and field observations. 2206.00
CSU area B3 (with Geog 1); IGETC area 5C (with Geog 1)

GEOG 2
Cultural Geography
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Basic elements of cultural geography: Interrelationship of people and the land, including study of populations, cultural origins, migration, language and religion, ethnicity, systems of agriculture, urbanization, political units, economic organization and resource exploitation. 2206.00
AA/AS area 2; CSU area D; IGETC area 4

GEOG 39D
Geographic Information Systems Reader Software
.5 unit, .5 hours lecture (GR or P/NP)
Also offered as Envmt 39D. Not open for credit to students who have completed or are currently enrolled in Envmt 39D.
Acceptable for credit: CSU
Introduction to basic concepts of geographic information systems software as used in modern society and use of simple GIS reader software for application to academic study and career preparation: Focus on how to load GIS files, basic data manipulation, printing and exporting for preparation of reports and PowerPoint presentations. 2206.10

GEOG 48NA-TZ
Selected Topics in Geography
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2206.00

GEOG 49
Independent Study in Geography
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 2206.00

GEOG 248NA-TZ
Selected Topics in Geography
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2206.00

GEOLOGY
(GEOL)

GEOL 1
Introduction to Physical Geology
4 units, 3 hours lecture, 3 hours laboratory (GR)
Two one-day field trips required.
Acceptable for credit: CSU, UC
Survey of materials and structures comprising the outer portion of the earth, and geologic processes responsible for sculpturing the earth: Plate tectonics and mountain building; formation of minerals and igneous, sedimentary and metamorphic rocks; deformation of rocks by folding and faulting; and erosion of the land surface. 1914.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
GEOL 12
Environmental Geology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to the geologic aspects of environmental science: Natural hazards, human effects on geologic processes, energy and mineral resources, and global environmental change. 1914.00
AA/AS area 1; CSU area B1; IGETC area 5A

GEOL 21
Bay Area Field Studies
1-2 units, 3 hours lecture weekly for one week, and either 24 term lecture hours in the field (3 day trips for 1 unit), or 48 term lecture hours in the field (6 day trips for 2 units) to selected sites in the greater Bay Area (GR or P/NP) Attendance in on-campus classroom lecture required in order to participate in field lectures.
Acceptable for credit: CSU
In-the-field introduction to the richness of the geologic environment: Emphasis on the basic geologic processes that shape the earth's surface. 1914.00

HEALTH EDUCATION
(HLTD)

HLTED 1
Exploring Health Issues
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Examination of current problems related to individual and community health: Sexual behavior, birth control, sexually-transmitted diseases, drugs, consumerism, environment, psychosomatic health, nutrition, physical fitness, and preventive medicine. 0837.00
AA/AS area 2; CSU area E

HLTED 11
Cardiopulmonary Resuscitation
.5 units, .5 hours lecture (GR or P/NP)
Meets American Red Cross Adult, Child and Infant CPR certification requirements.
Not open for credit to students who have completed or are currently enrolled in Hltd 10.
Acceptable for credit: CSU
Introduction to CPR: Development of skills and knowledge for administering emergency first aid for respiratory failure and cardiac arrest. 0837.00

HLTED 20
Health and Wellness: Personal Change
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU, UC (pending)
The role of nutrition, physical activity, environmental factors, and psycho-social influences on health: Raises awareness of health issues and the role of personal responsibility in maintaining health. 0837.00

HLTED 48NA-TZ
Selected Topics in Health Education
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 0837.00

HLTED 49
Independent Study in Health Education
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 0837.00

HLTED 248NA-TZ
Selected Topics in Health Education
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 0837.00
HEALTH PROFESSIONS AND OCCUPATIONS (HLTOC)

HEALTHCARE INTERPRETER

The Healthcare Interpreter program provides training for bilingual individuals to provide effective healthcare interpreting services. Students completing this certificate will become integral members of the healthcare team in bridging the language and cultural gap between clients and providers. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>FIRST SEMESTER (Summer Session)</td>
<td></td>
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<tr>
<td>HLTOC 210</td>
<td>Survey of Healthcare Interpreting</td>
<td>.5</td>
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<tr>
<td>SECOND SEMESTER</td>
<td></td>
<td></td>
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<tr>
<td>HLTOC 211</td>
<td>Interpreting in Health Care I</td>
<td>3</td>
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<tr>
<td>THIRD SEMESTER</td>
<td></td>
<td></td>
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<tr>
<td>HLTOC 212</td>
<td>Interpreting in Health Care II</td>
<td>6</td>
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<tr>
<td>HLTOC 213</td>
<td>Interpreting in Health Care III</td>
<td>.5</td>
</tr>
<tr>
<td>HLTOC 214</td>
<td>Occupational Work Experience in Healthcare Interpreting (1-4)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Total Required Units:</td>
<td>12</td>
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</tbody>
</table>

HLTOC 48NA-TZ

Selected Topics in Health Professions and Occupations

.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1299.00

HLTOC 201

Medical Terminology I
2 units, 2 hours lecture (GR or P/NP)
Study of medical terminology: Basic structure of medical words including prefixes, suffixes, word roots, combining forms, plurals and abbreviations, pronunciation, spelling, and definition of medical terms. 1299.00

HLTOC 202

Medical Terminology II
2 units, 2 hours lecture (GR or P/NP)
Recommended preparation: Hltoc 201
Continued study of medical terminology: Terminology related to body structure, pathological conditions and diseases, operative terms and techniques, including laboratory/radiological diagnostic procedures. 1299.00

HLTOC 210

Survey of Healthcare Interpreting
.5 units, .5 hours lecture (GR or P/NP)
Survey of the requirements for the Healthcare Interpreter certificate: Focus on details regarding application, admission requirements, and language fluency. 2140.00

HLTOC 211

Interpreting in Health Care I
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Biol 23 or 25 or 20A or 24, and Hltoc 201 and/or 202
Introductory training for bilingual individuals to provide effective healthcare interpreting: Standard interpreting practices, range of roles and responsibilities of the healthcare interpreter, ethical principles related to healthcare interpreting, and the impact of culture in the healthcare setting; emphasis on developing consecutive interpreting skills such as managing the interpreted encounter and the pre-session introduction, first-person voice, accurate and complete interpreting, and intervening in a transparent manner. 2140.00

HLTOC 212

Interpreting in Health Care II
6 units, 6 hours lecture (GR or P/NP)
Prerequisite: Hltoc 211
Training for bilingual individuals to be an integral member of the healthcare team in bridging the language and cultural gap between clients and providers: Further enhancement of interpreting skills learned in Interpreting in Health Care I, covering specialized healthcare service areas such as genetics, mental health, and death and dying. Emphasis also on the development of cultural competency in the community and workplace, and careers in interpretation. 2140.00
HLTOC 213
Interpreting in Health Care III
.5 units, .5 hours lecture (GR or P/NP)
Prerequisite: HLTOC 211
Corequisite: HLTOC 214
Continuation of interpreting in health care: Professional behavior and situational management for the healthcare interpreter; accompanies the fieldwork class, HLTOC 214. 2140.00

HLTOC 214
Occupational Work Experience in Healthcare Interpreting
1-4 units, hours to be arranged (GR or P/NP)
Corequisite: HLTOC 213
Course study under this section may be repeated one time for a maximum of 4 units.
Training of interpreters to facilitate linguistic and cultural communication between clients and healthcare providers: Fieldwork experience in application of knowledge and technical interpreting skills learned in HLTOC 211, 212 and 213; 175 hours of verified, supervised field experience in healthcare settings is required. 2140.00

HLTOC 248NA-TZ
Selected Topics in Health Professions and Occupations
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1299.00

HLTOC 250
Fluid and Electrolyte Workshop
.5 units, .5 hours lecture (P/NP)
Non-degree applicable
Academic and clinical approach to fluid and electrolytes and the application to nursing care: Interactive discussions involving seminar, computer-assisted instruction, and case study. 1299.00

HLTOC 255
Success Strategies for Pre-Nursing Students
4 units, 4 hours lecture (P/NP)
To be eligible to enroll, students must be admitted to or wait-listed for admission into the Associate Degree Nursing program.
Also offered as Lrnre 348NO. Not open for credit to students who have completed or are currently enrolled in Lrnre 348NO.
Non-degree applicable
Course study under this section may be repeated one time for a maximum of 8 units.
Preparation for success for a pre-licensure registered nursing program: Strategies to improve reading and study skills, test-taking and critical-thinking strategies, math and calculation skills, and overview of the fundamentals of nursing; includes ATI testing of essential skills and critical thinking to identify areas of strengths and weaknesses and an online component. 4930.14

HLTOC 348NA-TZ
Selected Topics in Health Professions and Occupations
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
Non-degree applicable
See section on Selected Topics. 1299.00
HEALTH SCIENCES

The AS degree in Health Sciences will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

Degree Major Requirements:

Select at least one course from each of the following four groups, for a minimum of 18 units:

GROUP 1
- BIOL 1A General Biology (5)
- BIOL 3 Microbiology (5)
- BIOL 10 Introduction to Biology (4)

GROUP 2
- BIOL 2 Human Anatomy (5)
- BIOL 4 Human Physiology (5)
- BIOL 20A Human Anatomy and Physiology (5)
- BIOL 20B Human Anatomy and Physiology (5)
- BIOL 24 Basic Human Anatomy and Physiology (4)

GROUP 3
- CHEM 1A General Chemistry (5)
- CHEM 12A Organic Chemistry (5)
- CHEM 30A Introductory Inorganic Chemistry (4)

GROUP 4
- HLTED 1 Exploring Health Issues (3)
- NUTR 10* Nutrition (4)
- NUTR 12 Nutrition and Disease (3) 18

Total Required Units: 18

*Nutr 10 is the same as Biol 31 at Alameda and Biol 28 at Laney; maximum credit: one course.

HISTORY

(HIST)

HIST 2A
History of European Civilization
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
History of Western civilization to 1660: Prehistoric, Ancient, Medieval and Renaissance periods to 1660. 2205.00
AA/AS area 2; CSU area C2, D; IGETC area 3B, 4

HIST 2B
History of European Civilization
3 units, 3 hours lecture (GR or P/NP)
Hist 2A is not prerequisite to Hist 2B.
Acceptable for credit: CSU, UC
History of Western civilization since 1660: Rise of nations, revolutionary eras, European expansion and decline; Europe and its impact on the world; emphasis on ideas and institutions rather than national histories. 2205.00
AA/AS area 2; CSU area C2, D; IGETC area 3B, 4

HIST 7A
History of the United States to 1877
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
History of the United States from colonial days to Reconstruction (1877): Survey and interpretation of political, social, and economic factors contributing to the growth of the nation. 2205.00
AA/AS area 2; CSU area C2, D; IGETC area 3B, 4; CSU American Institutions, Group 1

HIST 7B
History of the United States since 1865
3 units, 3 hours lecture (GR or P/NP)
Hist 7A is not prerequisite to Hist 7B.
Acceptable for credit: CSU, UC
History of the United States from the end of the Civil War to the present: Survey and interpretation of political, social, and economic factors contributing to the growth of the nation. 2205.00
AA/AS area 2; CSU area C2, D; IGETC area 3B, 4; CSU American Institutions, Group 1
HIST 15
Twentieth Century America
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Not open for credit to students who have completed or are enrolled in History 7B.
Twentieth century history of the United States, its people, and their society: Principle historical, literary, artistic, political, economic, and social developments since 1898.
2205.00
AA/AS area 2; CSU area C2, D, IGETC area 3B, 4; CSU American Institutions, Group 1

HIST 19
History of California
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
California’s multi-ethnic history from the pre-Spanish period to the present: Emphasis on the social and ethnic diversity of past and present California. 2205.00
AA/AS area 2, 5; CSU area C2, D; IGETC area 3B, 4

HIST 48NA-TZ
Selected Topics in History
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2205.00

HIST 49
Independent Study in History
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 2205.00

HIST 248NA-TZ
Selected Topics in History
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2205.00

HUMANITIES
(HUMAN)
These courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments. Courses from Anthropology, Art, Ethnic Studies, English and Foreign Languages, Humanities, Music, and Philosophy are acceptable. Major emphasis is put on an understanding of humanistic and cultural activities of human beings, including language facility, in this pattern. The AA degree in Humanities will prepare students for majors at four-year institutions in language arts, humanities, fine arts or music, among others.

The **AA Degree in Humanities** will be awarded upon satisfactory completion of the Degree course requirements and the General Education requirements. Since the following degree courses appear on the General Education Course List, they may be used to meet both the degree and the General Education requirements, provided that the total is 37 or more units. A course may be used **one time for the degree** and **one time only for the General Education requirements**, even though the course may be listed in several category areas.

The Humanities AA Degree is designed for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis,” in this case, the Humanities. This area of emphasis would be an ideal choice for students planning on transferring to the California State University or University of California as the student can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Please consult with a counselor for specific information regarding your intended major at the specific colleges/university of your choice.
CURRICULUM PATTERNS AND COURSES

- Choose either option CSUGE or IGETC for the General Education pattern related to your educational goal.
- Complete requirements in Computer Literacy and Ethnic Studies (see catalog for details).
- Complete 21-25 units in the “Area of Emphasis” outlined below. (Note: Courses in the “area of emphasis” may also be counted toward a GE area; those with an (*) are listed in more than one area but may not be counted in more than one area.)
- All courses listed below transfer to CSU. Many courses are also transferable to UC. Refer to www.ASSIST.org for transfer details or see a counselor for additional details.

HUMANITIES AA DEGREE

General Education CSUGE/IGETC: 37-39
(Minimum units necessary to meet CSUGE/IGETC Certification requirements)

Area of Emphasis: 21-25
- 21-25 units required from the Area of Emphasis: Humanities.*
- Courses selected can be used to also fulfill GE areas.
- All courses below transfer to CSU. Many courses are also transferable to UC. *Also see the separate AA degrees offered in Natural Sciences, and Social and Behavioral Sciences at Merritt College.

Electives and Other Requirements (Computer Literacy, Ethnic Studies): 0-2
(Note: Electives and other requirements may be necessary to total 60 overall units required for the Associate Degree.)

Total Required Units: 60

Degree Requirements:

Core Requirement: Units
HUMAN: 2 3

Group 1: Languages, Literature, and Values
Select a minimum of 6-10 units from at least two disciplines from the following:
CHIN: 1B*, 10A*, 10B*, 17A*, 30A*, 30B*, 32A*, 32B*, 38*, 43*
ENGL: 1B*, 10A*, 10B*, 17A*, 30A*, 30B*, 32A*, 32B*, 38*, 43*
PHIL: 1, 2, 10
SPAN: 1A, 1B, 2A, 2B, 22A, 22B, 31A, 31B, 38, 40 6-10

Note: Any foreign language course offered by College of Alameda, Berkeley City and Laney Colleges, including ASL 50 and 51, may be substituted for a Merritt College foreign language course.

Group 2: Cultural Studies
Select a minimum of 6 units from at least two disciplines from the following:
AFRAM: 25*, 27*, 28i*, 41*, 42*, 43*, 45*
ANTHR: 7*, 8*
ASAME: 30*
LANTH: 55
M/LAT: 28i*, 30A*, 30B* 6

Total Required Units: 21-25

1 Afram 28 is the same as M/Lat 28; maximum credit: one course.

HUMAN 2
Human Values
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of human values: The individual in relation to the environment as it affects conduct among diverse cultures, past and present. 1599.00
AA/AS area 3; CSU area C2; IGETC area 3B

HUMAN 48NA-TZ
Selected Topics in Humanities
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1599.00

HUMAN 49
Independent Study in Humanities
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1599.00

HUMAN 248NA-TZ
Selected Topics in Humanities
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1599.00
HUMAN SERVICES
(HUSV)

The Human Services program serves those who wish to train for a career in the Human Services field, those who are currently employed in the field, and those who seek training for career advancement. The program introduces the student to lifespan human care issues to include theory and practice for services from infant to elder care populations identified in need of specific, trained interventions. The historical, legal, and ethical issues of human services are covered, as well as characteristics of special conditions and disabilities that affect infants, children, adults and elders and the agencies and institutions that provide services to these groups. The program covers current practices in the human services field and trains the student in a wide range of competencies required to work in the field to include an introduction to counseling and intervention skills and case management, and how to serve a multi-ethnic, culturally-diverse client population. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

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<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>HUSV 50</td>
<td>Introduction to Human Services</td>
<td>3</td>
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<tr>
<td>HUSV 51</td>
<td>Introduction to Counseling Skills for Paraprofessionals</td>
<td>3</td>
</tr>
<tr>
<td>HUSV 52</td>
<td>Introduction to Case Management for Paraprofessionals</td>
<td>3</td>
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<tr>
<td>HUSV 53</td>
<td>Diversity In Human Services</td>
<td>3</td>
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<tr>
<td>HUSV 58</td>
<td>Seminar in Human Services</td>
<td>1</td>
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<tr>
<td>HUSV 59</td>
<td>Occupational Work Experience in Human Services (1-4)</td>
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Total Required Units: 14-17

HUSV 50
Introduction to Human Services
3 units, 3 hours lecture (GR or P/NP)
Also offered as HDS 50. Not open for credit to students who have completed or are currently enrolled in HDS 50.
Acceptable for credit: CSU
Introduction to lifespan human care issues: Theory and practice of services provided to populations, from infants to elders, identified as in need of specific, trained interventions. 2104.00

HUSV 51
Introduction to Counseling Skills for Paraprofessionals
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to counseling skills for paraprofessionals: Interpersonal communication and theoretical elements of the counseling process and behavior to include counselor-client relationship; criteria for counselor conduct; recognition of substance abuse, suicide and depression; vocabulary for feelings and values; collaborative problem-solving process; major theories of counseling; counseling and interview techniques; how to help clients clarify and achieve their goals; and ethnic and cultural influences affecting clients and their problems. 2104.00

HUSV 52
Introduction to Case Management for Paraprofessionals
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Basic concepts and skills of case management for paraprofessionals: Assessment, financial concerns, planning and linkage with community agencies, service monitoring, legal and ethical considerations, consultation and referral strategies, careers in case management, and personal characteristics of professional case managers. 2104.00

HUSV 53
Diversity in Human Services
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Study of the values, problems, issues and specific needs of diverse groups for the human services paraprofessional: Issues of aging, gender roles, ethnicity, socio-economic status, disability, and sexual orientation; and insight, knowledge and skills necessary to work within the human services field. 2104.00
AA/AS area 2; CSU area D, E
HUSV 58  
Seminar in Human Services  
1 unit, 1 hour lecture (GR or P/NP)  
Prerequisite: HUSV 50, and HUSV 51 or (Coser 43B)  
Corequisite: HUSV 59  
Acceptable for credit: CSU  
Course study under this section may be repeated one time for a maximum of 2 units.  
Study of the specific competencies required of the human services worker in an agency or community setting: Assessment, development, practicum, and evaluation of individual skills in counseling, case management, working with diverse populations, and providing services in a wide range of human services settings. 2104.00

HUSV 59  
Occupational Work Experience in Human Services  
1-4 units, hours to be arranged (GR or P/NP)  
Corequisite: HUSV 58  
Acceptable for credit: CSU  
Course study under this section may be repeated one time for a maximum of 8 units.  
Designed to relate classroom learning to the actual job environment: Supervised field experience in a human services agency or community setting. 2104.00

LANDSCAPE HORTICULTURE (LANHT)

The horticulture facility at Merritt College is one of the largest in northern California. Housed on seven and one-half acres, the facility includes 5,000 square feet of greenhouses, a 5,000 square-foot lath house, drafting and floral design labs and the Emile L. Labadie Arboretum. This two-year program is designed to prepare students for employment in the field of Landscape Horticulture. One or more certificates in Landscape Horticulture will be awarded upon satisfactory completion of the requirements listed below. Certificates at the Basic, Intermediate, and Specialist/Professional levels are available. This program is designed to lead to a vocational competency-based Associate in Science degree or transfer to a four-year institution. Graduates can find employment in landscape design and construction, landscape maintenance, nurseries, and golf and sports turf-related fields. Courses are offered during both the day and evening.

The **AS degree in Landscape Horticulture** will be awarded upon satisfactory completion of the General Education requirements and the Major course requirements of one of the Level C programs. **Certificates of Achievement** will be awarded for satisfactory completion of **Level C requirements. Certificates only** (and not the AS degree) are awarded for completion of the **Level A and Level B requirements**.

The following curriculum patterns include revised certificate and degree requirements, effective for the Fall 2007 semester. Students who started the program prior to Fall 2007 have the option of completing the requirements under the plan in place at that time provided they have been continuously enrolled (see Catalog Rights).

Course offerings are indicated by the following codes:  
S=Spring  
F=Fall  
SO=Spring of odd years  
SE=Spring of even years  
FO=Fall of odd years  
FE=Fall of even years

The **Certificates** available include the following:

**Level A: Basic Landscape Horticulture Certificate**

**Level B: Intermediate Landscape Horticulture Certificates:**
1. Intermediate Landscape Design and Construction
2. Intermediate Landscape and Parks Maintenance
3. Intermediate Nursery Management
Level C: Landscape Horticulture Specialist Certificates:
1. Landscape Design and Construction Specialist
2. Landscape and Parks Maintenance Specialist
3. Nursery Management Specialist

The certificate in Basic Landscape Horticulture is intended for those students who are limited to a one-year program. Graduates with this certificate can find employment at the basic or entry level in grounds maintenance, or as a park worker or gardener. An advanced certificate in Landscape Design and Construction enables students to find employment with landscape design and construction firms, as independent landscape designers, or, with state certification, as landscape contractors. Students with a certificate in Nursery Management can find employment in local retail and wholesale nurseries. Students have also successfully started their own specialty nurseries. Students who successfully complete the advanced certificate in Landscape and Parks Maintenance can find employment with city parks or other municipal departments, or with commercial landscape firms. Many students work either independently or with landscape maintenance companies.

A. BASIC LANDSCAPE HORTICULTURE

Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day) (F, S) or</td>
<td></td>
</tr>
<tr>
<td>LANHT 1E</td>
<td>Introduction to Landscape Horticulture (Evening) (F, S)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 23</td>
<td>Plant Terminology (F, S)</td>
<td>2.5</td>
</tr>
<tr>
<td>LANHT 26</td>
<td>Pruning (F,S)</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Select one plant ID course from the following:
LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E 3

Select one course from the following:
LANHT 8 Turf Management with Lab (Day) (3)
LANHT 8E Turf Management (Evening) (3)
LANHT 13 Arboriculture with Lab (Day) (FO) (3)
LANHT 13E Arboriculture (Evening) (FE) (3)

Select one course from the following:
LANHT 10 Insects (S)
LANHT 11 Plant Diseases and Their Control (F)
LANHT 12 Weeds in the Urban Landscape (S) 3

Select one course from the following:
LANHT 16 Soil Management (F)
LANHT 19 Plant Nutrition (S) 3

Level A Total Required Units: 18

B1. INTERMEDIATE LANDSCAPE DESIGN AND CONSTRUCTION

Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level A Requirements:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day) (F, S) or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduction to Landscape Horticulture (Evening) (F, S)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 23</td>
<td>Plant Terminology (F, S)</td>
<td>2.5</td>
</tr>
</tbody>
</table>

Select one plant ID course from the following:*
LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E 3

Select a minimum of 3 units from the following:*
LANHT 8 Turf Management with Lab (Day) (3)
LANHT 8E Turf Management (Evening) (3)
LANHT 13 Arboriculture with Lab (Day) (FO) (3)
LANHT 13E Arboriculture (Evening) (FE) (3)
LANHT 31 Site Operations for Landscape Designers and Builders (3)
LANHT 32 Designing with Native Plants (3)
LANHT 33 Design Evaluation of Bay Area Landscapes (S) (3)
LANHT 34A-C Computer-Assisted Landscape Design (F) (3 each)
LANHT 35A-B Advanced Landscape Design (S) (4 each) 3

Level A Required Units: 8.5

Plus Level B1 Requirements:
LANHT 14 Landscape Construction with Lab (Day) (FE)
LANHT 14E Landscape Construction (Evening) (FO) (3)
LANHT 18A Landscape Design (F) 3
LANHT 18B Landscape Design (S) 3
LANHT 22A Landscape Design Laboratory (F) 1
LANHT 22B Landscape Design Laboratory (S) 1
LANHT 29 Planting Design with Lab (Day) (F) or
LANHT 29E Planting Design (Evening) (F) 4

Select one additional plant ID course from the following:*
LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E 3

Select a minimum of 3 units from the following:*
LANHT 8 Turf Management with Lab (Day) (3)
LANHT 8E Turf Management (Evening) (3)
LANHT 13 Arboriculture with Lab (Day) (FO) (3)
LANHT 13E Arboriculture (Evening) (FE) (3)
LANHT 31 Site Operations for Landscape Designers and Builders (3)
LANHT 32 Designing with Native Plants (3)
LANHT 33 Design Evaluation of Bay Area Landscapes (S) (3)
LANHT 34A-C Computer-Assisted Landscape Design (F) (3 each)
LANHT 35A-B Advanced Landscape Design (S) (4 each) 3

Level B1 Additional Required Units: 21

Level B1 Total Required Units: 29.5

*Select course(s) not previously taken.
## C1. LANDSCAPE DESIGN AND CONSTRUCTION SPECIALIST

**Degree Major/Certificate of Achievement Requirements:**

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Level A Requirements:</strong></td>
<td>8.5</td>
</tr>
<tr>
<td></td>
<td><strong>Plus Level B1 Additional Requirements:</strong></td>
<td>21</td>
</tr>
<tr>
<td></td>
<td><strong>Level B1 Total Required Units:</strong></td>
<td>29.5</td>
</tr>
</tbody>
</table>

**Plus Level C1 Requirements:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 17 Irrigation with Lab (Day) (SO)</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>LANHT 17E Irrigation (Evening) (SE)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one additional plant ID course from the following:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select a minimum of 6 units from the following:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 8 Turf Management with Lab (Day) (3)</td>
<td></td>
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<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>LANHT 8E Turf Management (Evening) (3)</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>LANHT 13 Arboriculture with Lab (Day) (FO) (3)</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>LANHT 13E Arboriculture (Evening) (FE) (3)</td>
<td></td>
</tr>
</tbody>
</table>

**LANHT 31 Site Operations for Landscape Designers and Builders (3)**

**LANHT 32 Designing with Native Plants (3)**

**LANHT 33 Design Evaluation of Bay Area Landscapes (S) (3)**

**LANHT 34A-C Computer-Assisted Landscape Design (F) (3 each)**

**LANHT 35A-B Advanced Landscape Design (S) (4 each)**

**Level C1 Additional Required Units:** 12

**Level C1 Total Required Units:** 41.5

*Select course(s) not previously taken.

**Recommended:**

- Lanht 48OV-OX, Freehand Drawing for Landscape Designers I, II, III (3-3-3)
- Lanht 48PB, CAD Clinic for Landscape Horticulture (1)
- Lanht 48PC-PD-PE, SketchUp Pro I, II, III (1.5-1.5-1.5)
- Lanht 55, History of Gardens and Gardening (3)
- Lanht 210A-210B-210C, Landscape Design Forum I, II, III (2-2-2)

## B2. INTERMEDIATE LANDSCAPE AND PARKS MAINTENANCE

**Certificate of Achievement Requirements:**

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Level A Requirements:</strong></td>
<td></td>
</tr>
<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day) (F, S) or (E)</td>
<td></td>
</tr>
<tr>
<td>LANHT 1E</td>
<td>Introduction to Landscape Horticulture (Evening) (F, S)</td>
<td>3</td>
</tr>
<tr>
<td>LANHT 23</td>
<td>Plant Terminology (F, S)</td>
<td>2.5</td>
</tr>
<tr>
<td>LANHT 26</td>
<td>Pruning (F, S)</td>
<td>0.5</td>
</tr>
</tbody>
</table>

**Select one additional plant ID course from the following:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one course from the following:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 8 Turf Management with Lab (Day)</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>LANHT 8E Turf Management (Evening)</td>
<td></td>
</tr>
<tr>
<td>LANHT 13 Arboriculture with Lab (Day) (FO)</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>LANHT 13E Arboriculture (Evening) (FE)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one course from the following:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 10 Insects (S)</td>
<td></td>
</tr>
<tr>
<td>LANHT 11 Plant Diseases and Their Control (F)</td>
<td></td>
</tr>
<tr>
<td>LANHT 12 Weeds in the Urban Landscape (S)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Level A Required Units:** 15

**Plus Level B2 Requirements:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 201 Landscape Maintenance Practices</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one additional plant ID course from the following:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one additional course from the following:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 10 Insects (S)</td>
<td></td>
</tr>
<tr>
<td>LANHT 11 Plant Diseases and Their Control (F)</td>
<td></td>
</tr>
<tr>
<td>LANHT 12 Weeds in the Urban Landscape (S)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one additional course from the following:**

<table>
<thead>
<tr>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANHT 16 Soil Management (F)</td>
<td></td>
</tr>
<tr>
<td>LANHT 19 Plant Nutrition (S)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Level B2 Additional Required Units:** 15

**Level B2 Total Required Units:** 30

*Select course(s) not previously taken.

**Recommended:**

- Lanht 206, Landscape Maintenance Business Practices (3)
# CURRICULUM PATTERNS AND COURSES

## C2. LANDSCAPE AND PARKS MAINTENANCE SPECIALIST

### Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Level A Requirements:</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Plus Level B2 Additional Requirements:</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Level B2 Total Required Units:</td>
<td>30</td>
</tr>
</tbody>
</table>

### Plus Level C2 Requirements:

- **LANHT 21**: Horticultural Equipment Operation, Maintenance and Repair 2
- **Select one additional plant ID course from the following:**
  - LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E 3
- **Select one additional course from the following:**
  - LANHT 10: Insects (S) and
  - LANHT 11: Plant Diseases and Their Control (F) and
  - LANHT 12: Weeds in the Urban Landscape (S) 3
- **Select one additional course from the following:**
  - LANHT 16: Soil Management (F) and
  - LANHT 19: Plant Nutrition (S) 3

### Level C2 Additional Required Units:

11

### Level C2 Total Required Units:

41

*Select course(s) not previously taken.

### Recommended:

- Lanht 54, Integrated Pest Management (1)
- Lanht 206, Landscape Maintenance Business Practices (3)

## B3. INTERMEDIATE NURSERY MANAGEMENT

### Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Level A Requirements:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LANHT 1: Introduction to Landscape Horticulture with Lab (Day) (F, S) or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LANHT 1E: Introduction to Landscape Horticulture (Evening) (F, S) 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LANHT 23: Plant Terminology (F, S) 2.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LANHT 26: Pruning (F,S) 0.5</td>
<td></td>
</tr>
</tbody>
</table>

### Select one plant ID course from the following:

- LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E 3

### Select one course from the following:

- LANHT 10: Insects (S)
- LANHT 11: Plant Diseases and Their Control (F)
- LANHT 12: Weeds in the Urban Landscape (S) 3

### Select one course from the following:

- LANHT 16: Soil Management (F)
- LANHT 19: Plant Nutrition (S) 3

### Level A Required Units:

15

### Plus Level B3 Requirements:

- **LANHT 24**: Plant Propagation (S) 3
- **LANHT 25**: Nursery Management (F) 3

### Select one additional plant ID course from the following:

- LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E 3

### Select one additional course from the following:

- LANHT 10: Insects (S)
- LANHT 11: Plant Diseases and Their Control (F)
- LANHT 12: Weeds in the Urban Landscape (S) 3

### Select one additional course from the following:

- LANHT 16: Soil Management (F) and
- LANHT 19: Plant Nutrition (S) 3

### Level B3 Additional Required Units:

15

### Level B3 Total Required Units:

30

*Select course(s) not previously taken.
C3. NURSERY MANAGEMENT SPECIALIST

Degree Major/Certificate of Achievement

Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level A Requirements:</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Plus Level B3 Additional Requirements:</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Level B3 Total Required Units:</td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Plus Level C3 Requirements:
Select one additional plant ID course from the following:*  
LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E 3

Select one additional course from the following:*  
LANHT 10 Insects (S)  
LANHT 11 Plant Diseases and Their Control (F)  
LANHT 12 Weeds in the Urban Landscape (S)  
Plus: Landscape Horticulture Electives 6

Level C3 Additional Required Units: 12
Level C3 Total Required Units: 42

*Select course(s) not previously taken.

Recommended:
Lanht 48OU, Horticultural Hydroponics (3)
Lanht 52, Advanced Plant Propagation (2)
Lanht 202, Soil Management Lab (.5)
Lanht 203, Greenhouse Operations and Management (3)
Lanht 204, Floriculture, Greenhouse Production and Hydroponics (2)

LANHT 1E
Introduction to Landscape Horticulture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in Lanht 1.
Acceptable for credit: CSU, UC
Principles and practices of basic landscape horticulture: Brief history of horticulture, landscape planting and transplanting, soils, soil water, water quality, watering, overview of structure of higher plants, plant metabolism, vegetative/reproductive growth and development, plant propagation, hormones and plant growth, climate, light and plant growth, fertilizers and mineral nutrition; brief review of organic gardening, biological competitors of useful plants, gardening maintenance and long-term care options, branches of horticulture, and job opportunities. Slide presentations substituted for lab. 0109.00
AA/AS area 1

LANHT 2
Plant Materials: Tree ID and Culture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 2E.
Acceptable for credit: CSU, UC
Identification and culture of trees used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00
AA/AS area 1

LANHT 2E
Plant Materials: Tree ID and Culture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 2.
Acceptable for credit: CSU, UC
Identification and culture of trees used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00
LANHT 3
Plant Materials: Ground Covers and Vines ID and Culture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 3E.
Acceptable for credit: CSU, UC
Identification and culture of groundcovers and vines used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 3E
Plant Materials: Ground Covers and Vines ID and Culture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 3.
Acceptable for credit: CSU, UC
Identification and culture of groundcovers and vines used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 4
Plant Materials: Shrubs ID and Culture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 4E.
Acceptable for credit: CSU, UC
Identification and culture of shrubs used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 4E
Plant Materials: Shrubs ID and Culture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 4.
Acceptable for credit: CSU, UC
Identification and culture of shrubs used in Bay Area landscapes: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 5A
Plant Materials: Fall Native Plant ID and Culture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 5EA.
Acceptable for credit: CSU
Identification and culture of fall native plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes classroom demonstrations and field trips to prominent Bay Area landscapes. 0109.00

LANHT 5B
Plant Materials: Spring Native Plant ID and Culture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 5EB.
Acceptable for credit: CSU
Identification and culture of spring native plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes classroom demonstrations and field trips to prominent Bay Area landscapes. 0109.00
LANHT 5EA
Plant Materials: Fall Native Plant ID and Culture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 5A.
Acceptable for credit: CSU
Identification and culture of fall native plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 5EB
Plant Materials: Spring Native Plant ID and Culture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 5B.
Acceptable for credit: CSU
Identification and culture of spring native plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 6A
Plant Materials: Fall Herbaceous Plant ID and Culture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 6EA.
Acceptable for credit: CSU
Identification and culture of fall blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 6B
Plant Materials: Spring Herbaceous Plant ID and Culture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 6EB.
Acceptable for credit: CSU
Identification and culture of spring blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 6EA
Plant Materials: Fall Herbaceous Plant ID and Culture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 6A.
Acceptable for credit: CSU
Identification and culture of fall blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 6EB
Plant Materials: Spring Herbaceous Plant ID and Culture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 6B.
Acceptable for credit: CSU
Identification and culture of spring blooming herbaceous plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00
CURRICULUM PATTERNS AND COURSES

LANHT 7
Plant Materials: Conifer ID and Culture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 7E.
Acceptable for credit: CSU, UC (pending)
Identification and culture of conifers used in the landscape: Climate, soil, and water preferences; garden culture, pest and disease problems; pruning and propagation. The lab includes planting, garden renovation, classroom demonstrations, and field trips to prominent Bay Area landscapes. 0109.00

LANHT 7E
Plant Materials: Conifer ID and Culture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 7.
Acceptable for credit: CSU, UC (pending)
Identification and culture of conifers used in the landscape: Climate, soil, and water preferences; garden culture, pest and disease problems; pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 8
Turf ID, Culture and Management with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 8E.
Acceptable for credit: CSU
Identification of turf plants, their role in the landscape, and turf management: Plant selection, establishment and maintenance; identification of common problems and their treatments. The lab includes turf establishment, turf renovation, turf equipment, and field trips to locations using turf such as golf courses, athletic fields and sports complexes. 0109.40

LANHT 8E
Turf ID, Culture and Management (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 8.
Acceptable for credit: CSU
Identification of turf plants, their role in the landscape, and turf management: Plant selection, establishment and maintenance; identification of common problems and their treatments. Slide presentations and field lectures substituted for lab. 0109.40

LANHT 9A
SketchUp Pro I
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Introduction to the SketchUp 3D drawing program: Basic operating procedures, drawing and editing tools, and 3D drawing and presentation techniques for making presentations to clients, contractors, and other professionals. 0109.10

LANHT 9B
SketchUp Pro II
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Continuation of LANHT 9A: Advanced SketchUp tools including rendering, landform modeling, and virtual walkthroughs. 0109.10

LANHT 9C
SketchUp Pro III
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Continuation of LANHT 9B: Applied use of SketchUp for the production of student’s professional projects. 0109.10

LANHT 10
Insects: Identification and Management
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E
Acceptable for credit: CSU
Study of local insects, especially those associated with ornamental/landscape plants: Emphasis on biology and identification of pests and beneficial insects; identification of associated plant damage; principles and methods of integrated pest management; methods of collecting and preserving insects. 0109.00
LANHT 11
Plant Diseases and Their Control
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E
Acceptable for credit: CSU
Identification and control of diseases of landscape plants, both exotic and native. 0109.00

LANHT 12
Weeds in the Urban Landscape
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Acceptable for credit: CSU
Study of nature of weeds and their interactions in the environment: Emphasis on identification and characteristics of various central California weeds, including preventive, biological, and chemical methods of weed control. 0109.00

LANHT 13
Arboriculture with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 13E.
Acceptable for credit: CSU
Principles and practices in the management of trees and shrubs in the landscape: Planting concerns (structural and environmental), pruning and its applications, grafting and budding applications, tree-hazard management, preventive maintenance and repair, diagnosing plant problems, preserving existing plants, tree valuation and tree maintenance businesses. The lab includes pruning, staking, fruit-tree twig identification, and field trips to perform tree-hazard evaluations, tree valuations, and to diagnose tree problems. 0109.00

LANHT 13E
Arboriculture (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Not open for credit to students who have completed or are currently enrolled in Lanht 13.
Acceptable for credit: CSU
Principles and practices in the management of trees and shrubs in the landscape: Planting concerns (structural and environmental), pruning and its applications, grafting and budding applications, tree-hazard management, preventive maintenance and repair, diagnosing plant problems, preserving existing plants, tree valuation and tree maintenance businesses. Slide presentations substituted for lab. 0109.00

LANHT 14
Landscape Construction with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E
Not open for credit to students who have completed or are currently enrolled in Lanht 14E.
Acceptable for credit: CSU
Principles and practices of landscape construction: Construction of fences, gates, decks, patios, walkways, retaining walls; construction tools, equipment, and hardware; concrete and masonry work; laws and regulations; lab includes construction of the above-mentioned structures. 0109.10

LANHT 14E
Landscape Construction (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E
Not open for credit to students who have completed or are currently enrolled in Lanht 14.
Acceptable for credit: CSU
Principles and practices of landscape construction: Construction of fences, gates, decks, patios, walkways, retaining walls; construction tools, equipment, and hardware; concrete and masonry work; laws and regulations. Slide presentations, tool demonstrations, site analysis and model building substituted for lab. 0109.10

LANHT 15
Botany
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Also offered as Biol 5. Not open for credit to students who have completed or are currently enrolled in Biol 5.
Acceptable for credit: CSU, UC
Introductory study of botany: Structure, physiology, genetics, ecology, and uses of plants. Laboratory work emphasizes microscopy, physiology experiments, and field identification. 0109.00
AA/AS area 1; CSU area B2, B3; IGETC area 5B, 5C

LANHT 16
Soil Management
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E
Acceptable for credit: CSU, UC
Origin of soils, rocks, and minerals: Physical and chemical properties, water relations of plants and soils, soil fertility and fertilizers, organic matter, soil amendments for clay and for acid and alkali soils, and the cycling of nutrients in nature. 0109.00
LANHT 17
Irrigation with Lab (Day)
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E
Not open for credit to students who have completed or are currently enrolled in Lanht 17E.
Acceptable for credit: CSU
Principles and practices of irrigation design and installation: Irrigation system components, layout, hydraulics, automatic and solid-state controllers, drip irrigation and pumps; lab includes the installation of irrigation systems. 0109.00

LANHT 17E
Irrigation (Evening)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E
Not open for credit to students who have completed or are currently enrolled in Lanht 17.
Acceptable for credit: CSU
Principles and practices of irrigation design and installation: Irrigation system components, layout, hydraulics, automatic and solid-state controllers, drip irrigation and pumps. Slide presentations, tool demonstrations, and site analysis substituted for lab. 0109.00

LANHT 18A
Landscape Design
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Lanht 1 or 1E, and 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB (or 5 or 5E)
Recommended preparation: Sketching classes, drafting classes, knowledge of plants and outdoor building materials, knowledge of landscape construction
Acceptable for credit: CSU, UC
Introduction to landscape design: Licensing and professional practice issues, design program formation, site inventory and analysis, conceptual diagrams, and preliminary plan development for small-scale landscape designs. 0109.10

LANHT 18B
Landscape Design
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Lanht 18A
Acceptable for credit: CSU, UC
Introduction to landscape design: Advanced drawing techniques (perspective and axonometric), analysis of historical garden styles, topographic measuring and design, landscape design cost estimating, and principles of planting design. 0109.10

LANHT 19
Plant Nutrition
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Acceptable for credit: CSU
Structure and functions of cells and tissues in plants: Elements and their functions; recognition of deficiency symptoms; sources of nutrients, organic and inorganic; absorption of water and minerals; translocation; photosynthesis; respiration and transpiration; nitrogen and carbon cycling; and application to composting. 0109.00

LANHT 20
Interior Horticulture
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Acceptable for credit: CSU
Introduction to identification and culture of interior plants: Planting, soils, environmental control, pests and diseases, and propagation. 0109.00

LANHT 21
Horticultural Equipment Operation, Maintenance and Repair
2 units, 2 hours lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU
Basic principles of small engine operation: Engine parts, scheduling maintenance, troubleshooting engine problems, performing repairs, and safety; use of tools powered by small gas engines (lawn mowers, edgers, blowers, tillers, brush cutters, lawn aerators, chainsaws, tractors, trenchers, weed eaters, and others). 0109.00

LANHT 22A
Landscape Design Laboratory
1 unit, 3 hours laboratory (GR or P/NP)
Prerequisite or corequisite: Lanht 18A
Acceptable for credit: CSU
Hands-on application of concepts presented in LANHT 18A: Basic drafting techniques, site inventory and analysis exercises in the field, in-class preparation of conceptual diagrams, design development drawings, and preliminary landscape plans. 0109.10
LANHT 22B
Landscape Design Laboratory
1 unit, 3 hours laboratory (GR or P/NP)
Prerequisite: Lanht 22A
Prerequisite or corequisite: Lanht 18B
Acceptable for credit: CSU
Hands-on application of concepts presented in LANHT 18B: Advanced drawing techniques (perspective and axonometric); topographic measuring in the field; and preparation of the following designs/plans: a landscape design in a selected historical style, simple grading plans, preliminary landscape cost estimates, and installation-ready planting plans. 0109.10

LANHT 23
Plant Terminology
2.5 units, 2.5 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Terminology used in identification of plants: Terms relating to roots, stems, leaves, flowers and fruit used in all plant identification courses and in Introduction to Landscape Horticulture. 0109.00

LANHT 24
Beginning Plant Propagation
3 units, 2.5 hours lecture, 1.5 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Acceptable for credit: CSU
Survey of plant propagation: History of propagation, plant biology, sexual and asexual reproduction; principles and practices of grafting and budding, layering, division, cutting propagation, seed propagation, and micropropagation; the propagation environment including media, edaphic factors affecting plant growth, fertilization and greenhouse design. 0109.00

LANHT 25
Nursery Management
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Lanht 1 or 1E, and 23
Acceptable for credit: CSU
Management of retail and wholesale nurseries in relation to sales, marketing, operation, layout, and production: Principles and practices of soil mixes, fertilization, watering, and scheduling. 0109.30

LANHT 26
Pruning
.5 units, .5 hours lecture, .5 hours laboratory (P/NP)
Acceptable for credit: CSU
Elements of pruning: Basic pruning methods to more advanced techniques for pruning of ornamental trees, shrubs, vines, groundcovers, and fruit trees. 0109.00

LANHT 28A
Permaculture Design I
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Strategies and techniques of applied ecology/permaculture design and application for designing livable human communities: Observation of natural patterns, gardening in urban settings, water and nutrient recycling in the landscape, and an introduction to the Bay Area bioregion; emphasis on permaculture ethics and principles, soil fertility, composting, and synergistic plant associations. 0109.10

LANHT 28B
Permaculture Design II
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Strategies and techniques of applied ecology/permaculture design and application for designing livable human communities: Observation of natural patterns, gardening in urban settings, water and nutrient recycling in the landscape, and an introduction to the Bay Area bioregion; emphasis on design and assessment of landscapes, zero waste, and mulching techniques. 0109.10

LANHT 28C
Permaculture Design III
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Strategies and techniques of applied ecology/permaculture design and application for designing livable human communities: Observation of natural patterns, gardening in urban settings, water and nutrient recycling in the landscape, and an introduction to the Bay Area bioregion; emphasis on water and nutrient cycling, ecovillages, food preservation, and team student designs. 0109.10

LANHT 28D
Permaculture Design IV
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Strategies and techniques of applied ecology/permaculture design and application for designing livable human communities: Observation of natural patterns, gardening in urban settings, water and nutrient recycling in the landscape, and an introduction to the Bay Area bioregion; emphasis on harvesting wild energies, appropriate technology, orchards, and individual student designs. 0109.10
LANHT 29
Planting Design with Lab (Day)
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Lanht 18A and 22A, and 3 or 3E, and 2 or 2E or 4 or 4E
Not open for credit to students who have completed or are currently enrolled in Lanht 29E.
Acceptable for credit: CSU
Plants as landscape design elements: Ecological design criteria, functional use of plants in design, plants as spatial delineators, visual and aesthetic qualities of plants, and planting design styles; lab includes planting, planting design projects, and field trips. 0109.10

LANHT 29E
Planting Design (Evening)
4 units, 4 hours lecture (GR or P/NP)
Prerequisite: Lanht 18A and 22A, and 3 or 3E, and 2 or 2E or 4 or 4E
Not open for credit to students who have completed or are currently enrolled in Lanht 29.
Acceptable for credit: CSU
Plants as landscape design elements: Ecological design criteria, functional use of plants in design, plants as spatial delineators, visual and aesthetic qualities of plants, and planting design styles. Slide presentations and site analysis substituted for lab. 0109.10

LANHT 31
Site Operations for Landscape Designers and Builders
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Site operations and procedures essential for landscape designers and builders to execute a design in the field: Slope analysis, cut and fill calculations, layout and staking, measuring, operating a transit level, and cost estimating. 0109.10

LANHT 32
Designing with Native Plants
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Lanht 5 or 5E
Prerequisite or corequisite: Lanht 18A and 22A
Acceptable for credit: CSU
Comprehensive study of the use of native plants for landscape design: Residential and commercial design applications as well as plant communities and local native plant requirements. 0109.10

LANHT 33
Design Evaluation of Bay Area Landscapes
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated one time for a maximum of 6 units.
Investigation of selected landscapes around the San Francisco Bay area: Planting plans and visual principles; history and conditions under which they were designed; field experience, observation, and evaluation of their success. 0109.10

LANHT 34A
Computer-Assisted Landscape Design
3 units, 3 hours lecture, 1 hour laboratory (GR or P/NP)
Prerequisite or corequisite: Lanht 18A and 22A
Acceptable for credit: CSU
Principles and techniques of 2D and 3D computer-assisted landscape design: Layering, dimensioning, technical computations, free-hand techniques, symbol libraries, and preparation of completed designs; emphasis on 2D drawing and editing tools; organizational and calculation tools; section and elevation drawings. 0109.10

LANHT 34B
Computer-Assisted Landscape Design
3 units, 3 hours lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU
Continuation of LANHT 34A: Constructing and editing 3D models and landforms, and perspective and axonometric plans. 0109.10

LANHT 34C
Computer-Assisted Landscape Design
3 units, 3 hours lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU
Continuation of LANHT 34B: Constructing object and plant reference libraries and plant databases; advanced landscape design drawings (grading and drainage plans, layout plans, construction details). 0109.10

LANHT 35A
Advanced Landscape Design
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)
Prerequisite: Lanht 22B
Acceptable for credit: CSU
Principles and practices of advanced landscape design building on the principles and techniques covered in LANHT 18A-18B and 22A-22B: Site analysis and topographic design; grading, drainage, and erosion control; design of walls, stairs, and terraces. 0109.10
LANHT 35B  
**Advanced Landscape Design**  
4 units, 3 hours lecture, 3 hours laboratory (GR or P/NP)  
Prerequisite: Lanht 22B  
Acceptable for credit: CSU  
Continuation of LANHT 35A: Advanced graphic and site analysis techniques; design and detailing of lighting, water features, structures; cost estimating, and project planning and design. 0109.10

LANHT 36A  
**Natural Building**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Also offered as Envmt 38A. Not open for credit to students who have completed or are currently enrolled in Envmt 38A.  
Acceptable for credit: CSU  
Building and design techniques which use energy-efficient, local, natural, sustainable, and accessible materials with a focus on urban applications: Historical and current uses of natural building materials, hands-on experience, guest lecturers, and tours of local projects; emphasis on appropriate site-specific materials and construction of natural building foundations and small projects (benches, ovens, walls). 0109.10

LANHT 36B  
**Natural Building**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Also offered as Envmt 38B. Not open for credit to students who have completed or are currently enrolled in Envmt 38B.  
Acceptable for credit: CSU  
Continuation of LANHT 36A: Site assessment, design sketches, and construction of natural building roof systems and small projects (natural plasters, rammed earth). 0109.10

LANHT 36C  
**Natural Building**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Also offered as Envmt 38C. Not open for credit to students who have completed or are currently enrolled in Envmt 38C.  
Acceptable for credit: CSU  
Continuation of LANHT 36B: Independent student projects and construction of poured adobe flooring and natural building walls with plastering. 0109.10

LANHT 38  
**Native Plant Habitats**  
2 units, 2 hours lecture (GR or P/NP)  
Acceptable for credit: CSU, UC  
Principles and practices of native plant habitats: Exploration of the major plant habitats in California and examples of native plants found in those habitats; study of the major components that define a plant habitat, such as climate, soil, water, exposure, plant associations, etc.; native plants recommended for various garden situations. 0109.00

LANHT 40  
**Plant Materials: Mediterranean, South African and Australian Plant ID and Culture with Lab (Day)**  
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)  
Recommended preparation: Lanht 1 or 1E, and 23  
Not open for credit to students who have completed or are currently enrolled in Lanht 40E.  
Acceptable for credit: CSU, UC  
Identification and culture of Mediterranean, South African and Australian plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. The lab includes classroom demonstrations and field trips to prominent Bay Area landscapes. 0109.00

LANHT 40E  
**Plant Materials: Mediterranean, South African and Australian Plant ID and Culture (Evening)**  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: Lanht 1 or 1E, and 23  
Not open for credit to students who have completed or are currently enrolled in Lanht 40.  
Acceptable for credit: CSU, UC  
Identification and culture of Mediterranean, South African and Australian plants used in the landscape: Climate, soil, and water preferences; garden culture; pest and disease problems; and pruning and propagation. Slide presentations substituted for lab. 0109.00

LANHT 43  
**Introduction to Recreational and Sports Turf Management**  
1 unit, 1 hour lecture (GR or P/NP)  
Acceptable for credit: CSU  
Turf design and management at golf courses, sports fields, and parks: History, evaluation and evolution of construction practices, environmental considerations in design and management, and industry trends and career opportunities. 0109.40
CURRICULUM PATTERNS AND COURSES

LANHT 45A
Mushroom Cultivation I
2 units, 1 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU
Study of mushrooms in the landscape and garden for food, medicine, aesthetics, soil building, composting, and bioremediation: Relationships with plants, taxonomy, and lore; how these organisms function similarly and differently with plants; laboratory covers capture and ramping-up methods, translation of lab methods to field use. 0109.00

LANHT 45B
Mushroom Cultivation II
2 units, 1 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU
Continued study of mushrooms in the landscape and garden: Emphasis on applying skills and design techniques to development of individual and group mushroom cultivation projects; laboratory covers capture and ramping-up methods, translation of lab methods to field use. 0109.00

LANHT 45C
Mushroom Cultivation III
2 units, 1 hours lecture, 3 hours laboratory (GR or P/ NP)
Acceptable for credit: CSU
Advanced study of mushrooms in the landscape and garden: Emphasis on the development of a presentation portfolio of mushroom cultivation projects; laboratory covers capture and ramping-up methods, translation of lab methods to field use. 0109.00

LANHT 48NA-TZ
Selected Topics in Landscape Horticulture
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/ NP)
See section on Selected Topics. 0109.00

LANHT 49
Independent Study in Landscape Horticulture
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 0109.00

LANHT 50
Plant Taxonomy
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Techniques taught to recognize and properly explain the variation of plants and to systematically organize this information: Cataloging, identifying, and classifying species used in horticulture, both exotic and native plants. 0109.00

LANHT 50L
Plant Taxonomy Lab
1 unit, 3 hours laboratory (GR or P/NP)
Recommended preparation: Lanht 50
Acceptable for credit: CSU
Practical field experience in naming, describing and classifying plants: Plant classification system used as a tool in collecting, cataloging, identifying and classifying species used in horticulture, native and naturalized; vegetation patterns and component species. 0109.00

LANHT 51A
Natural Landscape Interpretation
.5 units, 32 term hours laboratory (GR or P/NP)
Modular, open-entry/open-exit course: Four-day field studies trip to each different locale.
Acceptable for credit: CSU
Dominant and typical plant constituents of each vegetation unit in California focusing on those species currently used in the nursery industry: Emphasis on maritime provinces (outer coastal ranges, low elevation); merging of habitat, soil and climatic factors with plant species to establish appropriate natural and horticultural context. 0109.00

LANHT 51B
Natural Landscape Interpretation
.5 units, 32 term hours laboratory (GR or P/NP)
Modular, open-entry/open-exit course: Four-day field studies trip to each different locale.
Acceptable for credit: CSU
Dominant and typical plant constituents of each vegetation unit in California focusing on those species currently used in the nursery industry: Emphasis on steppe provinces (inner coastal ranges, low-intermediate elevations, foothills); merging of habitat, soil and climatic factors with plant species to establish appropriate natural and horticultural context. 0109.00
LANHT 51C  
Natural Landscape Interpretation  
.5 units, 32 term hours laboratory (GR or P/NP)  
Modular, open-entry/open-exit course: Four-day field studies trip to each different locale.  
Acceptable for credit: CSU  
Dominant and typical plant constituents of each vegetation unit in California focusing on those species currently used in the nursery industry: Emphasis on continental provinces (warm interior, lower latitude and altitude); merging of habitat, soil and climatic factors with plant species to establish appropriate natural and horticultural context. 0109.00

LANHT 51D  
Natural Landscape Interpretation  
.5 units, 32 term hours laboratory (GR or P/NP)  
Modular, open-entry/open-exit course: Four-day field studies trip to each different locale.  
Acceptable for credit: CSU  
Dominant and typical plant constituents of each vegetation unit in California focusing on those species currently used in the nursery industry: Emphasis on continental provinces (cold interior, high latitude and altitude); merging of habitat, soil and climatic factors with plant species to establish appropriate natural and horticultural context. 0109.00

LANHT 52  
Advanced Plant Propagation  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Prerequisite: Lanht 24  
Acceptable for credit: CSU  
Course study under this section may be repeated two times for a maximum of 6 units.  
In-depth study of concepts in plant propagation: Seeds, cuttings, layering, and grafting; highlighted by field trips and guest speakers. 0109.00

LANHT 53  
Alpines Lab  
1 unit, 3 hours laboratory (GR or P/NP)  
Acceptable for credit: CSU  
Course study under this section may be repeated three times for a maximum of 4 units.  
Observation of nature’s effect on natural rock-garden formation and application of these principles in the design and installation of local artificial rock gardens: Discussion of native and exotic alpine species, natural rock-garden environments, and plant habitat composition. 0109.10

LANHT 54  
Integrated Pest Management  
1 unit, 1 hour lecture (GR or P/NP)  
Acceptable for credit: CSU  
Introduction to integrated pest management as a viable alternative to pesticide use: In-depth look at pesticide alternatives; discussion of several integrated pest management case studies and steps needed to begin an integrated pest management program. 0109.00

LANHT 55  
History of Gardens and Gardening  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Historical evolution of gardens from the earliest cultivation of plants by humans to the present day: History of the theory and practice of garden design, horticulture, and cultivation of plants (both useful and ornamental), and of the artistic, social, philosophical, and literary contexts of garden-making through the ages; examination of the lives of people who have contributed to the creation of gardens by designing them, creating and cultivating plants to grow in them, writing about them, and depicting them in art, literature and music. 0109.00  
AA/AS area 3

LANHT 201  
Landscape Maintenance Practices  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Day-to-day aspects of maintenance gardening: Organizational skills, advertising, tool selection, generating business, estimating strategies, setting rates, client relations, efficiency strategies, and good maintenance habits. 0109.10

LANHT 202  
Soil Management Lab  
.5 units, 1.5 hours laboratory (GR or P/NP)  
Course study under this section may be repeated three times for a maximum of 2 units.  
Experimental and field exercises based on principles and techniques of soil management: Analyzing soils and plants, writing soil reports, performing field tests on the status of soil fertility, classifying important soils of the immediate area, and developing the necessary skills to determine soil fertilizer recommendations. 0109.00
LANHT 203
Greenhouse Operations and Management
3 units, 3 hours lecture (GR or P/NP)
In-depth study of greenhouse operations and management: Construction of greenhouse structures for specific crops such as mums, cyclamen, poinsettias and azaleas; greenhouse growing media; irrigation systems; heating and cooling; and fertilization programs. 0109.20

LANHT 204
Floriculture, Greenhouse Production and Hydroponics
2 units, 2 hours lecture, 1 hour laboratory (GR or P/NP)
Principles and practical application of commercial plant and flower production techniques in the greenhouse environment: Flower and greenhouse industry with emphasis on crop selection and scheduling, market cycles, greenhouse controls and media, watering, hydroponics, pest control, post-harvest handling, and marketing. 0109.20

LANHT 205
All About Roses
1 unit, 1 hour lecture (GR or P/NP)
In-depth study of the growing of roses, from planting bare-root roses to blooming: Old garden varieties to the latest modern hybrids; rose selection, planting, pruning, diseases and insect control. 0109.20

LANHT 206
Landscape Maintenance Business Practices
3 units, 3 hours lecture (GR or P/NP)
Business aspects of maintenance gardening: Bookkeeping, tax records, licenses, and legal matters such as contract law in preparation for the landscape contractors examination; also covers small claims court procedures. 0109.10

LANHT 207
Special Projects in Landscape Horticulture
1-4 units, .5-2 hours lecture, 1.5-6 hours laboratory (GR or P/NP)
Course study under this section may be repeated three times for a maximum of 16 units. Special projects in landscape horticulture: Provides hands-on experience with projects ranging from plant propagation and greenhouse operations to design, construction, irrigation, installation and maintenance of community gardens as well as California native and non-native gardens. 0109.00

LANHT 208A
Growing and Using Healthful Herbs
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Comprehensive study of growing and using herbs for culinary, medicinal, utilitarian, and ornamental use: Herb identification and usage; planting, care, and propagation of herbs; harvesting, preparing, creating, and safely applying herbal products. 0109.00

LANHT 208B
Growing and Using Healthful Herbs
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Application of information and principles learned in LANHT 208A: Performing demos and presentations, and supervising beginning-level students. 0109.00

LANHT 208C
Growing and Using Healthful Herbs
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Research of selected herbs, preps, or other aspects of herbology: Designing an herb garden. 0109.00

LANHT 209
Irrigation Troubleshooting and Repair
1 unit, 3 hours laboratory (GR or P/NP)
Corequisite: Lanht 17 or 17E
Troubleshooting strategies for irrigation systems including controller problems: Repair techniques for all irrigation systems including rotor, impact, spray and drip. 0109.00

LANHT 210A
Landscape Design Forum I
2 units, 2 hours lecture (GR or P/NP)
Forum emphasizing professional practices in landscape design, including review of student designs for client presentation and guest speakers in the trade: Basics of contracts and professional licensing options; development of a portfolio to market services. 0109.10

LANHT 210B
Landscape Design Forum II
2 units, 2 hours lecture (GR or P/NP)
Forum emphasizing professional practices in landscape design, including review of student designs for client presentation and guest speakers in the trade: Strategies for estimating landscape design fees and installation costs and managing project budgets. 0109.10
LANHT 210C  
**Landscape Design Forum III**  
2 units, 2 hours lecture (GR or P/NP)  
Forum emphasizing professional practices in landscape design, including review of student designs for client presentation and guest speakers in the trade: Presenting designs to clients and planning boards; developing resource lists of nurseries, suppliers, and subcontractors; continuing education opportunities in the landscape design field. 0109.10

LANHT 211A  
**Beneficial Beasts in the Garden and Landscape**  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Study of the benefits of incorporating wild, naturalized, and domesticated members of the animal kingdom in the garden and landscape: Life cycles and ecological environments (aquatic, terrestrial, aerial) of animals typically encountered or used in the garden and landscape with concentration on representative species (worms, maggots, mantises, escargot, honeybees, tadpoles, birds, livestock, etc.); biological, mechanical, temporal, and other natural barriers detrimental to undesirables in the landscape. 0109.00

LANHT 211B  
**Beneficial Beasts in the Garden and Landscape**  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Application of information and principles learned in LANHT 211A: Performing demos and presentations, and supervising beginning-level students. 0109.00

LANHT 211C  
**Beneficial Beasts in the Garden and Landscape**  
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)  
Research of selected topics in applied zoology: Designing a system integrating animals in the garden landscape. 0109.00

LANHT 220  
**The Edible Landscape**  
2 units, 2 hours lecture (GR or P/NP)  
Study of fruits, nuts, citrus, vegetables and herbs in an edible landscape: Selecting, growing, harvesting and using these edible plants; garden design using ornamental edibles; includes field trips to organic and community gardens. 0109.00

LANHT 248NA-TZ  
**Selected Topics in Landscape Horticulture**  
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)  
See section on Selected Topics. 0109.00

LANHT 250  
**Basic Gardening for Fall**  
1 unit, 1 hour lecture (GR or P/NP)  
Non-degree applicable  
Basic gardening for fall: Plant identification, pruning, plant problems, fertilization, planting, transplanting, plant propagation, soils and plant nutrition, landscape construction, irrigation installation and maintenance, small engine maintenance and repair, tool handling, safety, and turfgrass maintenance with an emphasis on garden management practices. 0109.00

LANHT 251  
**Basic Gardening for Spring**  
1 unit, 1 hour lecture (GR or P/NP)  
Non-degree applicable  
Basic gardening for spring: Plant identification, pruning, plant problems, fertilization, planting, transplanting, plant propagation, soils and plant nutrition, landscape construction, irrigation installation and maintenance, small engine maintenance and repair, tool handling, safety, and turfgrass maintenance with an emphasis on garden management practices. 0109.00

LANHT 252  
**Basic Gardening for Summer**  
1 unit, 1 hour lecture (GR or P/NP)  
Non-degree applicable  
Basic gardening for summer: Plant identification, pruning, plant problems, fertilization, planting, transplanting, plant propagation, soils and plant nutrition, landscape construction, irrigation installation and maintenance, small engine maintenance and repair, tool handling, safety, and turfgrass maintenance with an emphasis on garden management practices. 0109.00

LANHT 348NA-TZ  
**Selected Topics in Landscape Horticulture**  
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)  
Non-degree applicable.  
See section on Selected Topics. 0109.00

LANHT 501  
**Urban Community Garden: Construction/Maintenance (Non-Credit)**  
0 units, 2-4 hours lecture, 1-2 hours laboratory (Not graded)  
Course study under this section may be repeated as necessary.  
Urban community gardening: Benefits, skills for design and implementation, raised-bed garden techniques, garden maintenance, plant/crop selection, and community organizational skills. 0109.00
LEARNING RESOURCES (LRNRE)

LRNRE 48NA-TZ
Selected Topics in Learning Resources
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 4930.00

LRNRE 211
Computer Access
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended for students with disabilities.
No prior computer experience necessary.
Formerly offered as Lrnre 271A-B.
Course study under this section may be repeated as necessary per Title 5, Section 56029.
Word processing for individuals with visual, physical, or learning disabilities: Creating business letters, resumes, reports, and flyers using adaptive programs as appropriate, and use of screen-reading software to assist in editing and proofreading written work; introductory Internet skills, including e-mail, basic research, and locating resources on the web; and introduction to presentation software. 4930.30
AA/AS area 4c

LRNRE 213A
Improving Cognitive Skills
1-3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Recommended for students with acquired brain injuries and/or learning disabilities.
Formerly offered as Lrnre 270A.
Course study under this section may be repeated two times for a maximum of 3 units.
Computer-assisted instruction designed for individuals with learning disabilities or acquired brain injuries utilizing material appropriate for all learners: Improving learning skills by analyzing how learning takes place and investigating individual learning styles; focus on grasping new content, critical thinking, problem solving, and information management with emphasis on application of new skills in school and job-based environments utilizing the Internet. 4930.32

LRNRE 272
Computer Access Projects
.5-2 units, 1.5-6 hours laboratory (P/NP)
Open-entry/open-exit course
Recommended for students with disabilities. Enroll through Programs and Services for Students with Disabilities.
Non-degree applicable.
Course study under this section may be repeated as necessary per Title 5, Sec 56029.
Introduction to assistive software: Use of screen-reading, image-enlargement, speech-recognition, scan/read or other software appropriate to the student’s disability; application of assistive software to complete assignments for mainstream courses. 4930.30

LRNRE 213B
Improving Cognitive Skills
1-3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Open-entry/open-exit course
Recommended for students with acquired brain injuries and/or learning disabilities.
Formerly offered as Lrnre 270B.
Course study under this section may be repeated two times for a maximum of 3 units.
Computer-assisted instruction designed for individuals with learning disabilities or acquired brain injuries utilizing material appropriate for all learners: Improving learning skills by analyzing how learning takes place and investigating individual learning styles; focus on logical reasoning and strategies for critical thinking, problem solving, and information management with emphasis on application of new skills in school and job-based environments utilizing the Internet. 4930.32

LRNRE 248NA-TZ
Selected Topics in Learning Resources
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 4930.00
CURRICULUM PATTERNS AND COURSES

**LRNRE 280**  
**Study Skills**  
.5-3 units, 0-3 hours lecture, 0-9 hours laboratory (P/NP)  
Open-entry/open-exit course  
Non-degree applicable  
Course study under this section may be repeated two times for a maximum of 9 units. Students with learning disabilities may exceed repeat limits with prior Disabled Students Programs and Services Counselor approval.  
Systematic approach to understanding principles of learning for all academic disciplines: Effective study techniques to give confidence in coping with the college environment; psychological awareness and self-esteem.  
4930.14

**LRNRE 295A**  
**Diagnostic Learning**  
1 unit, 1 hour lecture (GR or P/NP)  
Modular course  
Recommended for students with learning disabilities. Referral by a DSPS Counselor is recommended.  
Non-degree applicable  
Individual assessment of learning strengths and weaknesses to determine eligibility for services as a learning disabled adult and development of an Individualized Education Plan (IEP): Diagnostically-oriented work in targeted academic skills areas.  
4930.32

**LRNRE 295B**  
**Diagnostic Learning**  
1 unit, 1 hour lecture (GR or P/NP)  
Modular course  
Recommended for students with learning disabilities. Referral by a DSPS Counselor is recommended.  
Non-degree applicable  
Individual assessment of learning strengths and weaknesses to determine eligibility for services as a learning disabled adult and development of an Individualized Education Plan (IEP): Diagnostically-oriented work in use of adaptive strategies, appropriate support services, and classroom accommodations.  
4930.32

**LRNRE 295C**  
**Diagnostic Learning**  
1 unit, 1 hour lecture (GR or P/NP)  
Modular course  
Recommended for students with learning disabilities. Referral by a DSPS Counselor is recommended.  
Non-degree applicable  
Individual assessment of learning strengths and weaknesses to determine eligibility for services as a learning disabled adult and development of an Individualized Education Plan (IEP): Diagnostically-oriented work in use of adaptive strategies, appropriate support services, and classroom accommodations.  
4930.32

**LRNRE 348NA-TZ**  
**Selected Topics in Learning Resources**  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
Non-degree applicable  
See section on Selected Topics  
4930.00

**LRNRE 501**  
**Supervised Tutoring (Non-Credit)**  
0 units, 1-15 hours laboratory (Not graded)  
Open-entry/open-exit course  
Course study under this section may be repeated as necessary.  
Students may enroll for assistance in more than one college course per semester.  
Supervised tutoring, either individually or in small groups, to improve student success in college courses.  
4930.09
LIBERAL ARTS

The Liberal Arts AA Degree is designed for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis”. This area of emphasis would be an ideal choice for students planning on transferring to the California State University or University of California as the student can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Please consult with a counselor for specific information regarding your intended major at the specific colleges/university of your choice.

• Choose either option CSUGE or IGETC for the General Education pattern related to your educational goal.
• Complete requirements in Computer Literacy and Ethnic Studies (see catalog for details).
• Complete 18-21 units in one “Area of Emphasis” from those outlined below. (Note: Courses in the “area of emphasis” may also be counted toward a GE area; those with an (*) are listed in more than one area but may not be counted in more than one area.)
• All courses listed below transfer to CSU. Many courses are also transferable to UC. Refer to www.ASSIST.org for transfer details or see a counselor for additional details.

LIBERAL ARTS AA DEGREE

General Education CSUGE/IGETC: 37-39
(Minimum units necessary to meet CSUGE/IGETC Certification requirements)

Areas of Emphasis: 18-21
• 18-21 units required from one Area of Emphasis listed below.
• Areas of emphasis include:
  (1) Arts and Humanities*
  (2) Cross-Cultural Studies,*
• Courses selected can be used to also fulfill GE areas.
• All courses below transfer to CSU. Many courses are also transferable to UC.
*Also see the separate AA degrees offered in Humanities, Natural Sciences, and Social and Behavioral Sciences at Merritt College.

Electives and Other Requirements (Computer Literacy, Ethnic Studies): 0-5
(Note: Electives and other requirements may be necessary to total 60 overall units required for the Associate Degree.)

Total Required Units: 60

LIBERAL ARTS WITH EMPHASIS IN ARTS AND HUMANITIES

These courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments. Courses from Anthropology, Art, Dance, Ethnic Studies, English and Foreign Languages, Humanities, Music, Philosophy, and Theatre Arts are acceptable. Major emphasis is put on the Arts and artistic expression of human beings in this pattern. The AA degree in Liberal Arts with Emphasis in Arts and Humanities will prepare students for majors at four-year institutions in language arts, humanities, fine arts or music, among others.

The AA Degree in Liberal Arts with Emphasis in Arts and Humanities will be awarded upon satisfactory completion of the Degree course requirements and the General Education requirements. Since the following degree courses appear on the General Education Course List, they may be used to meet both the degree and the General Education requirements, provided that the total is 37 or more units. A course may be used one time for the degree and one time only for the General Education requirements, even though the course may be listed in several category areas.

Degree Requirements:

Group 1: Arts
Select a minimum of 9 units from at least two disciplines from the following:
ART: 1, 4, 9, 12, 15*
ASAME: 1
DANCE: 1
MUSIC: 9, 10, 11, 15A*, 19
THART: 10, 11, 30
Note: Courses appearing in bold print are offered by Laney College.

Group 2: Humanities
Select a minimum of 9 units from at least three disciplines from the following:
AFRAM: 25*, 27*, 28*, 41*, 42*, 43*, 45*
ANTHR: 7*, 8*
ASAME: 30*
CHIN: 1, 2
ENGL: 1B*, 10A*, 10B*, 17A*, 30A*, 30B*, 32A*, 32B*, 38*, 43*
CURRICULUM PATTERNS AND COURSES

HUMAN: 2
LANHT: 55
M/LAT: 28, 30A, 30B
PHIL: 1, 2, 10
SPAN: 1A, 1B, 2A, 2B, 22A, 22B, 31A, 31B, 38, 40

*Afram 28 is the same as M/Lat 28, maximum credit: one course.

Total Required Units: 18

Note: At least 12 units of the 60 units required for the Associate Degree must be completed at Merritt College.

LIBERAL ARTS WITH EMPHASIS IN CROSS-CULTURAL STUDIES

These courses emphasize the perspective, concepts, theories and methodologies typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences with particular emphasis on an understanding of cross-cultural interactions between peoples of difference cultures. Students will study about themselves and others as members of a larger society. Topics of discussion will stimulate critical thinking about ways people have acted in response to their and other societies and will allow students to evaluate how societies and social subgroups operate. Courses from Anthropology, Art, Child Development, Communication and English, Environmental Management, Ethnic Studies, Geography, Human Services, Music, Psychology, Spanish, and Sociology are acceptable. The AA degree in Liberal Arts with Emphasis in Cross-Cultural Studies will prepare students for majors at four-year institutions in the social sciences such as anthropology, sociology, or ethnic or cultural studies, among others.

The AA Degree in Liberal Arts with Emphasis in Cross-Cultural Studies will be awarded upon satisfactory completion of the Degree course requirements and the General Education requirements. Since the following degree courses appear on the General Education Course List, they may be used to meet both the degree and the General Education requirements, provided that the total is 37 or more units. A course may be used one time for the degree and one time only for the General Education requirements, even though the course may be listed in several category areas.

Degree Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Requirements:</strong></td>
<td></td>
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<tr>
<td>AFRAM 19</td>
<td>Racism in the United States (3)</td>
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<tr>
<td>or</td>
<td>M/LAT 6</td>
<td>Racism in the United States (3)</td>
</tr>
<tr>
<td>or</td>
<td>ASAME 19</td>
<td>Racism in the United States (3)</td>
</tr>
<tr>
<td>or</td>
<td>NATAM 19</td>
<td>Racism in the United States (3)</td>
</tr>
<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6</td>
<td>Intercultural Communication</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Core Requirements:</strong></td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

Select one course from each group listed below for a minimum of 12 units:

**Group 1: Women and Gender**

Select one course for a minimum of 3 units from the following:

- ANTHR 16 | Sex and Society (3)
- COMM 10 | Gender and Communication (3)
- PSYCH 12 | Human Sexuality (3)
- SOC 3 | Sociology of Woman (3)

**Group 2: Race and Ethnicity**

Select one course for a minimum of 3 units from the following:

- AFRAM 13 | Ethnic Perceptions in the Mass Media (3)
- AFRAM 16 | Administration of Criminal Justice and Minority Communities (3)
- AFRAM 38 | Environmental Racism and Justice (3)
- ENVMT 12 | Environmental Racism and Justice (3)
- ANTHR 5 | American Indian History and Culture (3)
- COMM 13 | Mass Media and Cultural Perceptions (3)
- COSER 29 | Working with Diverse Populations (3)
- ENVMT 27 | Ethnoecology: Ethnic Environmental Studies (3)
- HUSV 53 | Diversity in Human Services (3)
- POSCI 5 | American Politics and Minority Groups (3)
- SOC 2 | Social Problems (3)
- SOC 5 | Minority Groups (3)

**Group 3: Regional and National Identities**

Select one course for a minimum of 3 units from the following:

- AFRAM 5 | The African-American Family in the United States (3)
- AFRAM 12 | Psychology of African-Americans (3)
- AFRAM 27 | Afro-Caribbean History, Politics and Culture (3)
- AFRAM 30 | African-American History: Africa to 1865 (3)
- AFRAM 31 | African-American History: 1865-1945 (3)
- AFRAM 32 | African-American History: 1945 to Present (3-4)
### CURRICULUM PATTERNS AND COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHR 13</td>
<td>Urban Anthropology</td>
<td>(3)</td>
</tr>
<tr>
<td>ASAME 32</td>
<td>Asian-American Psychology</td>
<td>(3)</td>
</tr>
<tr>
<td>ASAME 45A</td>
<td>Asian-American History to 1945</td>
<td>(3)</td>
</tr>
<tr>
<td>ASAME 45B</td>
<td>Asian-American History from 1945 to the Present</td>
<td>(3)</td>
</tr>
<tr>
<td>GEOG 2</td>
<td>Cultural Geography</td>
<td>(3)</td>
</tr>
<tr>
<td>M/LAT 12</td>
<td>United States Relations with Mexico and Latin America</td>
<td>(3)</td>
</tr>
<tr>
<td>M/LAT 19</td>
<td>History of the Mexican-American</td>
<td>(3)</td>
</tr>
<tr>
<td>M/LAT 23</td>
<td>Introduction to Psychology of the Mexican-American</td>
<td>(3)</td>
</tr>
<tr>
<td>PSYCH 6</td>
<td>Social Psychology</td>
<td>(3)</td>
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<tr>
<td>SPAN 40</td>
<td>Hispanic Civilization and Culture</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Group 4: Cultural Expressions**

Select one course for a minimum of 3 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRAM 28</td>
<td>Survey of Third World through Films</td>
<td>(3)</td>
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<tr>
<td>or</td>
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<tr>
<td>M/LAT 28</td>
<td>Survey of Third World through Films</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 33</td>
<td>The Roots of African-American Culture</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 41</td>
<td>African-American Writers (Fiction)</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 42</td>
<td>African-American Writers (Non-Fiction)</td>
<td>(3)</td>
</tr>
<tr>
<td>AFRAM 43</td>
<td>African-American Writers (Poetry)</td>
<td>(3)</td>
</tr>
<tr>
<td>ANTHR 8</td>
<td>Anthropology through Film: Ethnographic Studies</td>
<td>(3)</td>
</tr>
<tr>
<td>ASAME 1</td>
<td>Art and Culture of Asia</td>
<td>(3)</td>
</tr>
<tr>
<td>ASAME 30</td>
<td>Asians and Asian-Americans through Films</td>
<td>(3)</td>
</tr>
<tr>
<td>ENGL 38</td>
<td>Lift Every Voice: Race, Class and Gender in the U.S.</td>
<td>(3)</td>
</tr>
<tr>
<td>M/LAT 30A</td>
<td>Survey of Latin-American Films</td>
<td>(3)</td>
</tr>
<tr>
<td>M/LAT 30B</td>
<td>Survey of Latin-American Films</td>
<td>(3)</td>
</tr>
<tr>
<td>MUSIC 9</td>
<td>World Music</td>
<td>(3)</td>
</tr>
<tr>
<td>MUSIC 11</td>
<td>American Vernacular Music</td>
<td>(3)</td>
</tr>
<tr>
<td>MUSIC 15A</td>
<td>Jazz, Blues and Popular Music in the American Culture</td>
<td>(3)</td>
</tr>
<tr>
<td>SPAN 38</td>
<td>Latin American Literature</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total Required Units:** 21

### LIBERAL ARTS: IGETC

If you plan to transfer to the California State University system (CSU) or the University of California system (UC), you are encouraged to pursue a **Certificate of Achievement in Liberal Arts**. You should consult with a counselor to develop your own program of study.

#### UC or CSU Transfer

You are encouraged to pursue this certificate if you want to apply to transfer to either the University of California system or the California State University system and want to fulfill lower-division general education requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC). You will select courses that fulfill the IGETC requirements (with a grade of “C” or better in each course), to total 37 transferable semester units (with an overall GPA of 2.0). Upon completion of these requirements you will file both a “Petition for a Certificate of Achievement” and a “Request for General Education or IGETC Certification” with the Admissions and Records Office.

#### Certificate of Achievement

**Complete the following requirements:**

You must complete the course requirements for all areas before IGETC can be certified.

You must complete all courses with a grade of “C” or better.

**Area 1: English Communication**

**UC:** Two courses required, one from Group A and one from Group B.

**CSU:** Three courses required, one each from Groups A, B, and C.

- **Group A: English Composition:**
  - One course, 3 semester (4-5 quarter) units.
  - English 1A

- **Group B: Critical Thinking-English Composition:**
  - One course, 3 semester (4-5 quarter) units.
  - English 5

- **Group C: Oral Communication (CSU requirement only):**
  - One course, 3 semester (4-5 quarter) units.
  - Communication 4, 20, 45

**Area 2: Mathematical Concepts and Quantitative Reasoning**

- One course, 3 semester (4-5 quarter) units.
  - Mathematics 1, 2, 3A, 3B, 3C, 3D, 13, 16A, 16B
Area 3: Arts and Humanities
At least three courses, 9 semester (12-15 quarter) units, with one course from Arts (3A), one course from Humanities (3B), and one course from either Arts or Humanities.

3A. Arts
Art 1, 4, 9, 12, 15
Asian and Asian-American Studies 1
Music 9, 10, 11, 15A, 19

3B. Humanities
Asian and Asian-American Studies 30*, 45A*, 45B*
Chinese 2
English 1B, 17A, 30A, 30B, 32A, 32B, 38*, 43
History 2A*, 2B*, 7A*, 7B*, 15*, 19*
Humanities 2
Mexican and Latin-American Studies 28', 30A, 30B
Philosophy 1, 2
Spanish 1B, 2A, 2B, 22B, 38, 40
*Course may not be counted in more than one area.
1AFRAM 28 same as M/LAT 28; credit: 1 course

Area 4: Social and Behavioral Sciences
At least three courses, 9 semester (12-15 quarter) units, from at least two disciplines.
Administration of Justice 21, 22, 63
African-American Studies 5, 8, 10, 12, 13, 16, 19', 25*, 27*, 30*, 31*, 32*, 33, 38, 43
Anthropology 2, 3, 4, 5, 7, 8, 13, 16, 18
Asian and Asian-American Studies 19', 30*, 32, 45A*, 45B*
Child Development 51 (formerly FACS 51)
Communication 6, 10, 13, 18, 22
Community Social Services 10, 24
Economics 1, 2
English 38*
Environmental Management 2 (formerly ENVST 11), 12', 13, 15, 19', 27
Geography 2
History 2A*, 2B*, 7A*, 7B*, 15*, 19*
Mexican and Latin-American Studies 6', 12, 19, 23
Native American Studies 19*
Political Science 1, 2, 3, 4
Psychology 1A, 1B, 3, 6, 10, 12, 19', 24
Sociology 1, 2, 3
*Course may not be counted in more than one area.
1AFRAM 19 same as ASAME 19, M/LAT 6, & NATAM 19; credit: 1 course
2AFRAM 38 same as ENVMT 12; credit: 1 course
3ENVMT 19 same as PSYCH 19; credit: 1 course

Area 5: Physical Sciences and Biological Sciences
At least two courses, 7-9 semester (9-12 quarter) units, with one course from Physical Sciences (5A) and one course from Biological Sciences (5B); one course must include a laboratory; lab courses are shown with (L).

5A. Physical Sciences
Astronomy 1 (add ASTR 20 to clear lab requirement), 10 (add ASTR 20 to clear lab requirement)
Chemistry 1A(L), 1B(L), 12A(L), 12B(L), 30A(L), 30B(L)
Geography 1 (add GEOG 1L to clear lab requirement)
Geology 1(L), 12
Physics 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10

5B. Biological Sciences
Anthropology 1 (add ANTHR 1L to clear lab requirement)
Biology 1A(L), 1B(L), 2(L), 3(L), 4(L), 5(L), 9(L), 10(L), 13 (add BIOL 13L/ENVMT 2L to clear lab requirement), 15, 20A(L), 20B(L), 23, 24(L), 25, 36(L)
Landscape Horticulture 15(L)
1BIOL 5 same as LANHT 15; credit: 1 course

5C. Laboratory Activity
One course shown with (L) in Areas 5A or 5B above.

Languages Other Than English (UC Requirement Only)
You may demonstrate proficiency as follows:
1. Completion of one course (4-5 semester units) at a college or university, with a grade of “C” or better, that is considered equivalent to 2 years of high school language. See below for approved Merritt College courses; OR
2. Completion of two years of high school course work in one language other than English with a grade of “C-” or better (verified by official high school transcript); OR
3. Satisfactory score on the College Board Subject Test (formerly SAT II) in a language other than English (see a counselor for scores); OR
4. Score of 3 or better on the College Board Advanced Placement Examination in a language other than English; OR
5. Score of 5 or better on the International Baccalaureate Higher Level Examination in a language other than English; OR
6. Satisfactory completion of a proficiency test administered by a community college, university, or other college in a language other than English; OR
7. Completion of two years of formal schooling at the sixth grade level or higher, with grades of “C” or better, in an institution where the language of instruction is not English (confirmed by appropriate documentation).

Merritt College courses that meet the proficiency level:
Chinese 1
Spanish 1A, 22A
Note: Courses above the proficiency level (1, 1A, or 22A) may also be used to meet this requirement and may also be used to clear, if listed, another IGETC area.
United States History, Constitution, and American Ideals (CSU Graduation Requirement)

One course from each group below:

**Group 1:**
- African-American Studies 30¹, 31¹
- History 7A, 7B, 15

**Group 2:**
- Political Science 1, 5

**Group 3:**
- Political Science 1, 16

¹AFRAM 30 and 31 are **not** acceptable if taken either Fall 2004 or Spring 2005.

²POSCI 1 may be double-counted in Group 2 and Group 3; units are only counted once.

**Note:** Courses used for this requirement may also be counted in either Areas 3B or 4 (at the option of the receiving campus; check with Admissions at the receiving campus to confirm). **However, the units are only counted once.**

**Total Minimum Required Units:** 37

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**LIBERAL ARTS: CSU GENERAL EDUCATION REQUIREMENTS**

If you plan to transfer to the California State University system (CSU), you are encouraged to pursue a **Certificate of Achievement in Liberal Arts.** You should consult with a counselor to develop your own program of study.

**CSU Transfer**

You are encouraged to pursue this certificate if you plan to apply to transfer to the California State University system and want to complete and have certified the CSU General Education Breadth Requirements. You will select courses that fulfill the CSU General Education Breadth Requirements (completing at least 30 units with a “C” or better to include areas A-1, A-2, A-3 and B-3 and an overall GPA of 2.0), for a total of 39 transferable semester units. Upon completion of these requirements you will file both a “Petition for a Certificate of Achievement” form and a “Request for General Education or IGETC Certification” form with the Admissions and Records Office.

**Certificate of Achievement**

**Complete the following requirements:**

**Area A: English Language Communication and Critical Thinking**

Three courses, minimum of 9 semester (12-15 quarter) units, with at least one course each from Oral Communication (A1), Written Communication (A2), and Critical Thinking (A3), with a grade of “C” or better.

**A1: Oral Communication**
- Communication 4, 20, 45

**A2: Written Communication**
- English 1A

**A3: Critical Thinking**
- English 5
- Philosophy 10

**Area B: Scientific Inquiry and Quantitative Reasoning**

Three courses, for a minimum of 9 semester (12-15 quarter) units, with at least one course each from Physical Sciences (B1), Life Sciences (B2), Laboratory Activity (B3), and Math/Quantitative Reasoning (B4). One of the two science courses from B1 or B2 must include a laboratory; lab courses are shown with (L). Math/Quantitative Reasoning (B4) required with a grade of “C” or better.

**B1: Physical Sciences**
- Astronomy 1, 10, 11A
- Chemistry 1A(L), 1B(L), 12A(L), 12B(L), 30A(L), 30B(L)
- Geography 1
- Geology 1(L), 12
- Physics 2A(L), 2B(L), 4A(L), 4B(L), 4C(L), 10

**B2: Life Sciences**
- Anthropology 1
- Biology 1A(L), 1B(L), 2(L), 3(L), 4(L), 5(L), 9(L), 10(L), 13, 15, 20A(L), 20B(L), 23, 24(L), 25, 29, 36(L)
- Landscape Horticulture 15(L)
  ¹BIOL 5 same as LANHT 15; credit: 1 course

**B3: Laboratory Activity**

At least one course shown with (L) in Areas B1 or B2, OR one of the following:
- Anthropology 1L (clears lab requirement w/ANTHR 1)
- Astronomy 20 (clears lab requirement w/ASTR 1 or 10)
- Biology 13L¹ (clears lab requirement w/BIOL 13)
- Environmental Management 2L¹ (clears lab requirement w/BIOL 13)
- Geography 1L (clears lab requirement w/GEOG 1)
  ¹BIOL 13L same as ENVMT 2L (formerly ENVST 11L); credit: 1 course

**B4: Mathematics/Quantitative Reasoning**

(Must be completed with a grade of “C” or better.)
- Mathematics 1, 2, 3A, 3B, 3C, 3D, 13, 15, 16A, 16B, 50
Area C: Arts and Humanities
Three courses, minimum of 9 semester (12-15 quarter) units, with at least one course from Arts (C1), one course from Humanities (C2), and one course from either Arts or Humanities.

C1: Arts
Art 1, 4, 9, 12, 15
Asian and Asian-American Studies 1
Music 9, 10, 11, 15A, 19

C2: Humanities
Asian and Asian-American Studies 30*, 45A*, 45B*
Chinese 1, 2
English 1B, 10A, 10B, 17A, 30A, 30B, 32A, 32B, 38*, 43
History 2A*, 2B*, 7A*, 7B*, 15*, 19*
Humanities 2
Mexican and Latin-American Studies 28, 30A, 30B
Philosophy 1, 2
Spanish 1A, 1B, 2A, 2B, 22A, 22B, 30A, 30B, 31A, 31B, 38, 40
*Course may not be counted in more than one area.
AFRAM 28 same as M/LAT 28; credit: 1 course

Area D: Social Sciences
Three courses, minimum of 9 semester (12-15 quarter) units, with courses from at least two different disciplines.
Administration of Justice 21, 22, 25, 63
African-American Studies 2, 5, 8, 10, 12, 13, 14A, 14B, 16, 19, 25*, 27*, 30*, 31*, 32*, 33, 38, 45
Anthropology 2, 3, 4, 5, 7, 8, 13, 16, 18, 30
Asian and Asian-American Studies 19*, 30*, 32*, 45A*, 45B*
Business 52
Child Development 51 (formerly FACS 51), 53, 57A
Communication 6, 10, 13, 18*, 22
Community Social Services 10, 24*, 29*
Economics 1, 2
English 38*
Environmental Management 2 (formerly ENVST 11), 11, 12, 13, 15, 19, 27
Geography 1*, 2
History 2A*, 2B*, 7A*, 7B*, 15*, 19*
Human Services 53* (formerly COSER 45)
Mexican and Latin-American Studies 6, 12, 19, 23
Native American Studies 19
Political Science 1, 2, 3, 4, 5, 16
Psychology 1A, 1B, 3, 6, 10, 12*, 19, 24, 33
Sociology 1, 2, 3, 5
*Course may not be counted in more than one area.
AFRAM 19 same as ASAME 19, M/LAT 6, and NATAM 19; credit: 1 course
AFRAM 38 same as ENVMT 12; credit: 1 course
ENVMT 19 same as PSYCH 19; credit: 1 course

Area E: Lifelong Learning and Self-Development
One course, minimum of 3 semester (4-5 quarter) units.
Asian and Asian-American Studies 32*
Business 52
Child Development 51
Communication 18*
Community Social Services 16A, 20, 24*, 29*
Counseling 24, 30, 57
Health Education 1
Human Services 53* (formerly COSER 45)
Library Information Studies 85 (formerly LRNRE 85)
Nutrition 10, 12 (formerly FACS 10 & 12)
Psychology 12*
Recreation and Leisure Services 50, 52, 55, 57
*Course may not be counted in more than one area.
Note: Some courses in this area are less than 3 units (COSER 16A and 20 [variable 2-3 units each], and LIS 85 [2 units]). Students taking any course less than 3 units will need an additional course to earn the 3 units needed to clear this area.

United States History, Constitution, and American Ideals (CSU Graduation Requirement)
One course from each group below:

Group 1:
African-American Studies 30, 31 1
History 7A, 7B, 15

Group 2:
Political Science 1, 2, 5

Group 3:
Political Science 1, 2, 16

AFRAM 30 and 31 are not acceptable if taken either Fall 2004 or Spring 2005.
POSCI 1 may be double-counted in Group 2 and Group 3; units are only counted once.

Note: Courses taken to satisfy this requirement may also be used to satisfy another general education area (at the option of the receiving campus; check with Admissions at the receiving campus to confirm). However, the units are only counted once.

Total Minimum Required Units: 39

Note: Students must request certification of CSU general education requirements from Admissions and Records prior to transfer. For full certification of GE requirements, students must complete 9 units from area A, a minimum of 9 units from areas B, C, and D, and 3 units from area E for a total of 39 units.
LIBRARY INFORMATION STUDIES
(LIS)

LIS 48NA-TZ
Selected Topics in Library Information Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1699.00

LIS 85
Introduction to Information Resources
2 units, 2 hours lecture (GR or P/NP)
Recommended preparation: Engl 201A or appropriate placement through multiple-measures assessment, and CIS 1 or 200 or 205 or Bus 219
Acceptable for credit: CSU, UC
Introduction to the basic concepts and tools used in information research: Emphasis on how to develop a research topic and find, locate, evaluate, and use information; search strategies for print and online resources including reference books, catalogs, indexes, specialized databases, and the Internet. 1699.00
CSU area E

LIS 248NA-TZ
Selected Topics in Library Information Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1699.00

LIS 348NA-TZ
Selected Topics in Library Information Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
Non-degree applicable
See section on Selected Topics. 1699.00

MATHEMATICS
(MATH)

The AS degree in Mathematics will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

Degree Major Requirements:
<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select at least one course from the following:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1</td>
<td>Pre-Calculus (4)</td>
<td></td>
</tr>
<tr>
<td>MATH 3A</td>
<td>Calculus I (5)</td>
<td></td>
</tr>
<tr>
<td><strong>Select remaining units from the following:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 2</td>
<td>Precalculus with Analytic Geometry (5)</td>
<td></td>
</tr>
<tr>
<td>MATH 3B</td>
<td>Calculus II (5)</td>
<td></td>
</tr>
<tr>
<td>MATH 3C</td>
<td>Calculus III (5)</td>
<td></td>
</tr>
<tr>
<td>MATH 3D</td>
<td>Linear Algebra and Differential Equations (5)</td>
<td></td>
</tr>
<tr>
<td>MATH 13</td>
<td>Introduction to Statistics (4)</td>
<td></td>
</tr>
<tr>
<td>MATH 15</td>
<td>Mathematics for Liberal Arts Students (3)</td>
<td></td>
</tr>
<tr>
<td>MATH 16A</td>
<td>Calculus for Business and Life/Social Sciences (3)</td>
<td></td>
</tr>
<tr>
<td>MATH 16B</td>
<td>Calculus for Business and Life/Social Sciences (3)</td>
<td></td>
</tr>
<tr>
<td>MATH 50</td>
<td>Trigonometry (3)</td>
<td></td>
</tr>
<tr>
<td>MATH 202</td>
<td>Geometry (3)</td>
<td></td>
</tr>
<tr>
<td>MATH 203</td>
<td>Intermediate Algebra (4)</td>
<td>18</td>
</tr>
<tr>
<td><strong>Total Required Units:</strong></td>
<td><strong>18</strong></td>
<td></td>
</tr>
</tbody>
</table>

MATH 1
Pre-Calculus
4 units, 4 hours lecture (GR)
Prerequisite: Math 203 or 211D
Acceptable for credit: CSU, UC
Preparation for the calculus sequence or other courses requiring a sound algebraic background: Inequalities, theory of equations, sequences and series, matrices, functions and relations, and logarithmic and exponential functions; function concept used as a unifying notion. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2
MATH 2
Precalculus with Analytic Geometry
5 units, 5 hours lecture (GR)
Prerequisite: Math 50 or 52C
Acceptable for credit: CSU, UC
Advanced algebra and analytic geometry: Linear, quadratic, polynomial, rational, exponential, logarithmic, and inverse functions; determinants, matrices and linear systems; zeros of polynomials, arithmetic and geometric sequences, mathematical induction; permutations and combinations, binomial theorem; vectors, conic sections, translation and rotation of axes, polar coordinates, lines and surfaces in space, and quadric surfaces. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2

MATH 3A
Calculus I
5 units, 5 hours lecture (GR)
Prerequisite: Math 2; or Math 1, and 50 or 52C
Acceptable for credit: CSU, UC
Theorems on limits and continuous functions, derivatives, differentials and applications: Fundamental theorems of calculus and applications; properties of exponential, logarithmic, and inverse trigonometric functions, and hyperbolic functions. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2

MATH 3B
Calculus II
5 units, 5 hours lecture (GR)
Prerequisite: Math 3A
Acceptable for credit: CSU, UC
Applications of the definite integral: Methods of integration, polar coordinates, parametric equations, infinite and power series. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2

MATH 3C
Calculus III
5 units, 5 hours lecture (GR)
Prerequisite: Math 3B
Acceptable for credit: CSU, UC
Partial differentiation: Jacobians, transformations, multiple integrals, theorems of Green and Stokes, differential forms, vectors and vector functions, geometric coordinates, and vector calculus. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2

MATH 3D
Linear Algebra and Differential Equations
5 units, 5 hours lecture (GR)
Prerequisite: Math 3B
Math 3D is equivalent to Math 3E plus 3F.
Not open for credit to students who have completed or are currently enrolled in Math 3E or 3F.
Acceptable for credit: CSU, UC
AA/AS area 4b; CSU area B4; IGETC area 2

MATH 13
Introduction to Statistics
4 units, 4 hours lecture (GR)
Prerequisite: Math 203 or 211D
Acceptable for credit: CSU, UC
Introduction to theory and practice of statistics: Collecting data: Sampling, observational and experimental studies. Organizing data: Univariate and bivariate tables and graphs, histograms. Describing data: Measures of location, spread, and correlation. Theory: Probability, random variables, binomial and normal distributions. Drawing conclusions from data: Confidence intervals, hypothesis testing, z-tests, t-tests, and chi-square tests; one-way analysis of variances. Regression and non-parametric methods. 1701.00
AA/AS area 4b; CSU area B4; IGETC area 2

MATH 15
Mathematics for Liberal Arts Students
3 units, 3 hours lecture (GR)
Prerequisite: Math 203 or 211D
Acceptable for credit: CSU, UC
Fundamental ideas underlying modern mathematics: Elements from logic, sets, and number systems; concepts of elementary algebra, geometry, topology, and combinatorics. 1701.00
AA/AS area 4b; CSU area B4
MATH 16A  
Calculus for Business and Life/Social Sciences  
3 units, 3 hours lecture (GR)  
Prerequisite: Math 1 or 2  
Acceptable for credit: CSU, UC  
Introduction to analytic geometry and differential and integral calculus of algebraic functions with particular attention paid to simple applications. 1701.00  
AA/AS area 4b; CSU area B4; IGETC area 2

MATH 16B  
Calculus For Business and Life/Social Sciences  
3 units, 3 hours lecture (GR)  
Prerequisite: Math 16A or 3A  
Acceptable for credit: CSU, UC  
Continuation of differential and integral calculus: Transcendental functions, methods of integration, partial differentiation, and multiple integration with particular attention to applications. 1701.00  
AA/AS area 4b; CSU area B4; IGETC area 2

MATH 48NA-TZ  
Selected Topics in Mathematics  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics. 1701.00

MATH 49  
Independent Study in Mathematics  
.5-5 units (GR)  
Course study under this section may be repeated three times.  
See section on Independent Study. 1701.00

MATH 50  
Trigonometry  
3 units, 3 hours lecture (GR)  
Prerequisite: Math 202, and 203 or 211D  
Not open for credit to students who have completed or are currently enrolled in Math 52ABC.  
Acceptable for credit: CSU  
Introduction to functional trigonometry: Basic definitions, identities, graphs, inverse functions, trigonometric equations and applications, solution of triangles and applications, polar coordinates, complex numbers, and De Moivre’s Theorem. 1701.00  
AA/AS area 4b; CSU area B4

MATH 113  
Math Workshop for Statistics  
1 unit, 1 hour lecture (P/NP)  
Prerequisite: Math 203 or 211D  
Recommended preparation: Math 13 (recommended to be taken concurrently)  
Reinforcement of problem-solving skills in statistics: Workshop in solving routine problems dealing with theory and practice of statistics; Collection of data: sampling, observational and experimental studies; Organizing data: univariate and bivariate to table and graphs, histograms; Describing data: measures of location, spread and correlation; Theory: probability, random variables, binomial and normal distribution; Drawing conclusions from data: confidence intervals, hypothesis testing, z-tests, t-tests and chi-square tests, one-way analysis of variances; and regression and non-parametric methods. 1701.00

MATH 201  
Elementary Algebra  
4 units, 5 hours lecture (GR)  
Prerequisite: Math 225 or 250 or 251D or 253 or appropriate placement through multiple-measures assessment  
Not open for credit to students who have completed or are currently enrolled in Math 210ABCD.  
Basic algebraic operations: Linear equations and inequalities, relations and functions, factoring quadratic polynomials, solving quadratic equations, fractions, radicals and exponents, word problems, graphing, and number systems. 1701.00

MATH 202  
Geometry  
3 units, 3 hours lecture (GR)  
Prerequisite: Math 201 or 210D or appropriate placement through multiple-measures assessment  
Introduction to plane geometry emphasizing mathematical logic and proofs: Geometric constructions, congruent triangles, parallel lines and parallelograms, proportions, similar triangles, circles, polygons, and area. 1701.00  
AA/AS area 4b
MATH 203  
Intermediate Algebra  
4 units, 5 hours lecture (GR)  
Prerequisite: Math 201 or 210D or appropriate placement through multiple-measures assessment  
Recommended preparation: Math 202  
Not open for credit to students who have completed or are currently enrolled in Math 211ABCD.  
Intermediate algebraic operations: Real number properties and operations; solutions and graphs of linear equations in one and two variables; absolute value equations; advanced factoring; complex numbers; quadratic equations and systems of quadratic equations; conics; determinants; solutions and graphs of first-degree, quadratic, and rational inequalities; exponential and logarithmic functions; and sequences and series.  1701.00  
AA/AS area 4b

MATH 248NA-TZ  
Selected Topics in Mathematics  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics.  1701.00

MATH 250  
Arithmetic  
3 units, 3 hours lecture (GR)  
Not open for credit to students who have completed or are concurrently enrolled in Math 251ABCD.  
Non-degree applicable  
Refresher course in the fundamental processes of arithmetic: Whole numbers, fractions, decimals and percents; metric system introduced and incorporated throughout the arithmetic material.  4930.41

MATH 253  
Pre-Algebra  
3 units, 3 hours lecture (GR)  
Recommended preparation: Math 250 or 251D or appropriate placement through multiple-measures assessment  
Non-degree applicable  
Fundamentals of pre-algebra: Properties of real numbers, factoring and multiples, ratio and proportion, signed numbers, linear equations and formulas, powers and roots, percents and averages, and English and metric measurements.  4930.41

MATH 270  
Math Workshop for Arithmetic  
1 unit, 1 hour lecture (P/NP)  
Recommended preparation: Math 250 (recommended to be taken concurrently)  
Non-degree applicable  
Reinforcement of problem-solving skills in arithmetic: Workshop in solving routine problems dealing with whole numbers and arithmetic operations, fractions, decimals, ratios, proportions, percents, measurements and scales, interpretations of notation, and simple equations and formulas.  4930.41

MATH 271  
Math Workshop for Pre-Algebra  
1 unit, 1 hour lecture (P/NP)  
Recommended preparation: Math 250 or 251D or appropriate placement through multiple-measures assessment; and Math 253 (recommended to be taken concurrently)  
Non-degree applicable  
Reinforcement of problem-solving skills in pre-algebra: Workshop in solving routine problems dealing with real numbers, factoring and multiples, ratio and proportion, signed numbers, linear equations and formulas, powers and roots, percents and averages, and English and metric measurements.  4930.41

MATH 272  
Math Workshop for Elementary Algebra  
1 unit, 1 hour lecture (P/NP)  
Prerequisite: Math 250 or 251D or 225 or 253 or appropriate placement through multiple-measures assessment  
Recommended preparation: Math 201 (recommended to be taken concurrently)  
Non-degree applicable  
Reinforcement of problem-solving skills in elementary algebra: Workshop in solving routine problems dealing with basic algebraic operations, linear equations and inequalities, relations and functions, factoring quadratic polynomials, solving quadratic equations, fractions, radicals and exponents, word problems, and graphic and number systems.  1701.00
MATH 273
Math Workshop for Intermediate Algebra
1 unit, 1 hour lecture (P/NP)
Prerequisite: Math 201 or 210D or appropriate placement through multiple-measures assessment
Recommended preparation: Math 202; and Math 203 (recommended to be taken concurrently)
Non-degree applicable
Reinforcement of problem-solving skills in intermediate algebra: Workshop in solving routine problems dealing with real number properties and operations, solutions and graphs of linear equations in one and two variables; absolute value equations, advanced factoring, complex numbers, quadratic equations and systems of quadratic equations, conic sections, determinants; solutions and graphs of first-degree, quadratic and rational inequalities; exponential and logarithmic functions, and sequences and series. 1701.00

MATH 348NA-TZ
Selected Topics in Mathematics
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
Non-degree applicable
See section on Selected Topics. 4930.40

MEDICAL ASSISTING (MEDAS)

MEDAS 201B
Medical Assisting: Clinical Application
7 units, 4 hours lecture, 9 hours laboratory (GR)
Prerequisite: Health clearances: Physical examination, negative TB test results, and recent immunizations for diphtheria, tetanus, rubella, rubella, mumps, and chicken pox; and pass a criminal background check and drug testing for clinical placement if required by clinical agencies; and CPR/BLS or Hlted 11
Prerequisite or corequisite: MEDAS 201A
Recommended preparation: Hltoc 201, ENGL 201B or 1A, and Math 250
Continuation of MEDAS 201A designed to provide preparation for entry-level positions in medical assisting: Theory and laboratory instruction in assisting the physician/practitioner in exam-room procedures, laboratory procedures, pharmacology, providing medications, minor office surgery, and nutrition. 1208.10

MEDAS 201C
Medical Assisting: Office Administration
5 units, 5 hours lecture (GR)
Prerequisite: MEDAS 201A
Prerequisite or corequisite: MEDAS 201B
Recommended preparation: Hltoc 201, ENGL 201B or 1A, and Math 250
Introduction to medical office administration: Medical office reception, finances, medical informatics, insurance billing, and office management. 1208.10

MEDAS 248NA-TZ
Selected Topics in Medical Assisting
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1208.10
MEXICAN AND LATIN-AMERICAN STUDIES (M/LAT)

M/LAT 6
Racism in the United States
3 units, 3 hours lecture (GR or P/NP)
Also offered as Afram 19, Asame 19, and Natam 19. Not open for credit to students who have completed or are currently enrolled in Afram 19, Asame 19, or Natam 19.
Acceptable for credit: CSU, UC
Exploration of the development of modern racism in the United States: Economic, socio-cultural, and psychological implications; and resistances to its effects from African-American, Asian-American, Mexican and Latin-American and Native American perspectives. 2203.04
AA/AS area 2, 5; CSU area D; IGETC area 4

M/LAT 12
United States Relations with Mexico and Latin America
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Analysis of United States relations with Mexico and Latin America from colonial times to the present: U.S. involvement as it relates to the economic, cultural, and political situations of Mexico and Latin America through the years. 2203.04
AA/AS area 2, 5; CSU area D; IGETC area 4

M/LAT 19
History of the Mexican-American
3 units, 3 hours lecture (GR or P/NP)
Also offered as Hist 17. Not open for credit to students who have completed or are currently enrolled in Hist 17.
Acceptable for credit: CSU, UC
History of the people of Mexican descent from colonial times to the present: Contemporary status and problems of Mexican-Americans in the United States. 2203.04
AA/AS area 2, 5; CSU area D; IGETC area 4

M/LAT 23
Introduction to Psychology of the Mexican-American
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Principles of psychology as they relate to the Mexican-American community: Selected social problems such as prejudice, racial conflict, and deviancy in the Mexican-American community from a Mexican-American perspective. 2203.04
AA/AS area 2, 5; CSU area D; IGETC area 4

M/LAT 28
Survey of Third World through Films
3 units, 3 hours lecture (GR or P/NP)
Also offered as Afram 28. Not open for credit to students who have completed or are currently enrolled in Afram 28.
Acceptable for credit: CSU, UC
Survey of third-world people through films: Emphasis on themes related to African, Mexican/Latino, Asian, and Native American experiences in the U.S. and elsewhere; films viewed as to their content, artistic quality, and relevance for people of color in the modern world. 2203.04
AA/AS area 3, 5; CSU area C2; IGETC area 3B

M/LAT 30A
Survey of Latin-American Films
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Critical examination of historical and contemporary film images of Latinos/Americanos as a result of cultural encounters within the United States: Traditional and emerging objectives of film makers and producers; and common themes and cultural elements in films by and about Latinos in the United States. 2203.04
AA/AS area 3, 5; CSU area C2; IGETC area 3B

M/LAT 30B
Survey of Latin-American Films
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Critical examination of cinema from throughout Latin America and Spain that relate to Latino cultural experiences: Emphasis on those films that educate viewers about Latino encounters with majority and minority cultures within Latin America. 2203.04
AA/AS area 3; CSU area C2; IGETC area 3B

M/LAT 48NA-TZ
Selected Topics in Mexican/Latin-American Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2203.04

M/LAT 49
Independent Study in Mexican/Latin-American Studies
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 2203.04
M/LAT 248NA-TZ
Selected Topics in Mexican/Latin-American Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2203.04

MUSIC (MUSIC)

MUSIC 1A
Musicianship
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of music theory: Clefs, key signatures, scales, intervals (diatonic and chromatic), chord structures (triads and dominant sevenths), and rhythm. 1004.00

MUSIC 1B
Musicianship
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Music 1A and 38A
Acceptable for credit: CSU, UC
Study of chord structures: Triads, seventh chords and their extensions; proper notation and function, theory of rhythmic design explored through the study of proper notation, manuscript considerations, and rhythmic drills, dictation, written and performance skills. 1004.00

MUSIC 9
Introduction to World Music
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Understanding and appreciation of world music through informed listening, analysis and discernment of musical elements, form and repertoire: Covers a rich diversity of styles (popular, folk, classical), periods and cultures. 1004.00
AA/AS area 3; CSU area C1; IGETC area 3A

MUSIC 10
Music Appreciation
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Survey designed to enhance the enjoyment of music with emphasis on listening: Historical overview of the development of musical form through the centuries. 1004.00
AA/AS area 3; CSU area C1; IGETC area 3A

MUSIC 11
American Vernacular Music
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Survey of all the vernacular forms of American music, including jazz, blues, folk, rock, rap, country, gospel, ragtime, blue grass and musical theater: Focus on the history and development of these various forms, the essentials of the music theory behind them, and how this musical synthesis reflects social issues in American society. 1004.00
AA/AS area 3; CSU area C1; IGETC area 3A

MUSIC 15A
Jazz, Blues and Popular Music in the American Culture
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Historical and critical analysis of unique American music: Focus on environments from which its many forms have emerged and its role in social history; development of blues, folk, jazz, rock and other popular music forms in the twentieth century. 1004.00
AA/AS area 3, 5; CSU area C1; IGETC area 3A

MUSIC 19
Music of America’s Musical Theater
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Historical and cultural development and major contributors of America’s musical theater: History of the integration of popular music, dance, and drama in America’s musical theater from its roots in European opera and merger with the American vaudeville stage, through its Golden Age (1920’s) to the latest offerings of the twenty-first century; and an examination of the social themes that inform, entertain, and challenge audiences. 1004.00
AA/AS area 3; CSU area C1; IGETC area 3A

MUSIC 26
Choral Ensemble
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Prerequisite: Ability to sing acceptably determined by instructor through audition; must be a member of a musical activity group.
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 4 units.
Small singing group for study and performance of unaccompanied song literature and the madrigal style of composition. Participation in public performances required. 1004.00
MUSIC 30
College Orchestra
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Recommended preparation: Ability to play an orchestral instrument
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 8 units.
Study and performance of orchestral music: Selections from standard works of the classics and modern schools leading to public performance. 1004.00

MUSIC 38
Elementary Piano
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 4 units.
Basic piano techniques and theory: Scales, arpeggios, and chord structures. 1004.00

MUSIC 40
Intermediate Piano
1 unit, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 4 units.
Development of fundamental piano techniques: Repertoire of selected pieces from the masters; some sight-reading, ensemble playing, and accompany playing; and application of theory to problems. 1004.00

MUSIC 48NA-TZ
Selected Topics in Music
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1004.00

MUSIC 49
Independent Study in Music
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1004.00

MUSIC 248NA-TZ
Selected Topics in Music
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1004.00

NATIVE AMERICAN STUDIES (NATAM)

NATAM 19
Racism in the United States
3 units, 3 hours lecture (GR or P/NP)
Also offered as Afram 19, Asame 19, and M/Lat 6. Not open for credit to students who have completed or are currently enrolled in Afram 19, Asame 19, or M/Lat 6.
Acceptable for credit: CSU, UC
Exploration of the development of modern racism in the United States: Economic, socio-cultural, and psychological implications; and resistances to its effects from African-American, Asian-American, Mexican and Latin-American and Native American perspectives. 2203.03
AA/AS area 2, 5; CSU area D; IGETC area 4

NATAM 48NA-TZ
Selected Topics in Native American Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2203.03

NATAM 76A
Native Americans and the Bay Area Environment: Pre-European Period
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Envst 76A. Not open for credit to students who have completed/are currently enrolled in Envst 76A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the pre-European period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, and resource utilization. 2203.03
AA/AS area 2, 5 (if course taken for 3 or more units)
CURRICULUM PATTERNS AND COURSES

NATAM 76B
Native Americans and the Bay Area Environment: Mission Period
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Envst 76B. Not open for credit to students who have completed/are currently enrolled in Envst 76B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the Mission period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish settlers on the land and Native peoples. 2203.03
AA/AS area 2, 5 (if course taken for 3 or more units)

NATAM 76C
Native Americans and the Bay Area Environment: Rancho and Anglo Period
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Envst 76C. Not open for credit to students who have completed/are currently enrolled in Envst 76C.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the Rancho and Anglo period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish and Anglo settlers on the land and Native peoples. 2203.03
AA/AS area 2, 5 (if course taken for 3 or more units)

NATAM 76D
Native Americans and the Bay Area Environment: Contemporary Period
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Envst 76D. Not open for credit to students who have completed/are currently enrolled in Envst 76D.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Prehistoric, historic and contemporary Native American relationships to the Bay Area region and Native philosophical perspectives on human/land relationships with emphasis on the contemporary period: Introduction to tribal groups, link between origin stories and the natural environment and the moral/spiritual foundation for land use, resource utilization, and impact of Spanish and Anglo settlers on the land and Native peoples. 2203.03
AA/AS area 2, 5 (if course taken for 3 or more units)

NATAM 78A-H
American Indians and the Ecology of North America
The following courses are offered under this rubric.

NATAM 78A
American Indians and the Ecology of Hopi/Navajo Land
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Envst 78A. Not open for credit to students who have completed or are currently enrolled in Envst 78A.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Study of the Colorado Plateau in the Four Corners region and the Hopi and the Navajo: Basic ecological principles; unique geology, landforms, and plant and animal life, along with Hopi/Navajo adaptations to the dry semi-desert region; pre- and post-contact comparisons, ancient Hopi presence and arrival of the relative newcomer Navajos, effects of European contact on both cultures; and current land-use conflicts. 2203.03
AA/AS area 2, 5 (if course taken for 3 or more units)
NATAM 78B
Lewis and Clark Expedition: Ecology and Indians, Part I
.5-5 units, .5-5 hours lecture (GR or P/NP)
Also offered as Envst 78B. Not open for credit to students who have completed or are currently enrolled in Envst 78B.
Attendance in on-campus classroom lectures required in order to participate in field lectures for additional units. Acceptable for credit: CSU
Course traces the first half of the route of Lewis and Clark's Corps of Discovery in 1804-06: The journey from the Missouri/Mississippi River confluence to the Continental Divide, with an emphasis on the ecology and the Indians along the path of their journey. 2203.03
AA/AS area 2, 5 (if course taken for 3 or more units)

NATAM 248NA-TZ
Selected Topics in Native American Studies
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2203.03

NATURAL SCIENCES

The AS degree in Natural Sciences will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

Degree Major Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select courses from GE Area 1, Natural Science, for a minimum of 18 units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select at least one course from the following:</td>
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<tr>
<td>BIOL 1A</td>
<td>General Biology (5)</td>
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<tr>
<td>CHEM 1A</td>
<td>General Chemistry (5)</td>
<td></td>
</tr>
<tr>
<td>GEOG 1</td>
<td>Physical Geography (3)</td>
<td></td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>General Physics (5)</td>
<td></td>
</tr>
<tr>
<td>Select remaining units from the following:</td>
<td></td>
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<tr>
<td>ANTHR 1</td>
<td>Introduction to Physical Anthropology (3)</td>
<td></td>
</tr>
<tr>
<td>ASTR 1</td>
<td>Introduction to Astronomy (3)</td>
<td></td>
</tr>
<tr>
<td>ASTR 10</td>
<td>Descriptive Astronomy (3)</td>
<td></td>
</tr>
<tr>
<td>BIOL 1A</td>
<td>General Biology (5)</td>
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<tr>
<td>BIOL 1B</td>
<td>General Biology (5)</td>
<td></td>
</tr>
<tr>
<td>BIOL 2</td>
<td>Human Anatomy (5)</td>
<td></td>
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<tr>
<td>BIOL 3</td>
<td>Microbiology (5)</td>
<td></td>
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<tr>
<td>BIOL 4</td>
<td>Human Physiology (5)</td>
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<tr>
<td>BIOL 5</td>
<td>Botany (4)</td>
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<tr>
<td>BIOL 9</td>
<td>Marine Biology (3)</td>
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<tr>
<td>BIOL 10</td>
<td>Introduction to Biology (4)</td>
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<tr>
<td>BIOL 13</td>
<td>Principles of Ecology (3)</td>
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<tr>
<td>BIOL 15</td>
<td>Environmental Biology (3)</td>
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<tr>
<td>BIOL 20A</td>
<td>Human Anatomy and Physiology (5)</td>
<td></td>
</tr>
<tr>
<td>BIOL 20B</td>
<td>Human Anatomy and Physiology (5)</td>
<td></td>
</tr>
<tr>
<td>BIOL 23</td>
<td>Introduction to the Human Body (3)</td>
<td></td>
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<tr>
<td>BIOL 24</td>
<td>Basic Human Anatomy and Physiology (4)</td>
<td></td>
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<tr>
<td>BIOL 25</td>
<td>Human Biology (3)</td>
<td></td>
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<tr>
<td>BIOL 29</td>
<td>Biology of the Living World (4)</td>
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<tr>
<td>BIOL 36</td>
<td>Human Genetics (4)</td>
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<tr>
<td>CHEM 1A</td>
<td>General Chemistry (5)</td>
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<td>CHEM 1B</td>
<td>General Chemistry (5)</td>
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</tr>
<tr>
<td>CHEM 12A</td>
<td>Organic Chemistry (5)</td>
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<tr>
<td>CHEM 12B</td>
<td>Organic Chemistry (5)</td>
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</tr>
<tr>
<td>CHEM 30A</td>
<td>Introductory Inorganic Chemistry (4)</td>
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</tr>
<tr>
<td>CHEM 30B</td>
<td>Introductory Organic and Biochemistry (4)</td>
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</tr>
<tr>
<td>GEOG 1</td>
<td>Physical Geography (3)</td>
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<tr>
<td>GEOL 1</td>
<td>Introduction to Physical Geology (4)</td>
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<tr>
<td>GEOL 12</td>
<td>Environmental Geology (3)</td>
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<tr>
<td>LANHT 1</td>
<td>Introduction to Landscape Horticulture with Lab (Day) (3)</td>
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<tr>
<td>LANHT 1E</td>
<td>Introduction to Landscape Horticulture (Evening) (3)</td>
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<tr>
<td>LANHT 15</td>
<td>Botany (4)</td>
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<tr>
<td>PHYS 2A</td>
<td>General Physics (5)</td>
<td></td>
</tr>
<tr>
<td>PHYS 2B</td>
<td>General Physics (5)</td>
<td></td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>General Physics with Calculus (5)</td>
<td></td>
</tr>
<tr>
<td>PHYS 4B</td>
<td>General Physics with Calculus (5)</td>
<td></td>
</tr>
<tr>
<td>PHYS 4C</td>
<td>General Physics with Calculus (5)</td>
<td></td>
</tr>
<tr>
<td>PHYS 10</td>
<td>Introduction to Physics (4)</td>
<td></td>
</tr>
</tbody>
</table>

Total Required Units: 18

1Biol 5 is the same as Lanht 15; maximum credit: one course.
NURSING (NURS)

The Associate Degree Nursing (ADN) program is approved by the California Board of Registered Nursing. This program is designed to prepare students for beginning positions in Registered Nursing. Upon successful completion of the program, students are eligible to take the state licensing examination for registered nurses. The course of study includes instruction in applied nursing sciences, related natural and social/behavioral sciences, and clinical nursing experience in hospitals and healthcare facilities located in the San Francisco Bay Area.

The AS degree in Nursing will be awarded upon satisfactory completion of the Group A Prerequisite requirements, the Group B General Education/Graduation requirements, and the Group C Major course requirements.

Applications are accepted each year from October 1 – March 1 for the class admitted the following Fall semester. All applications with supporting data (all transcripts, etc.) must be received no later than March 1. Applications may be hand-delivered or mailed to the Merritt College Associate Degree Nursing Program. Nonresident foreign students must first be cleared for admission through the International Student Advisor’s Office. It is required that all students interested in the Nursing program see a counselor for guidance in preparation for the program and evaluation of prerequisites prior to applying.

NO MATERIALS WILL BE ACCEPTED AFTER THE APPLICATION DEADLINE DATES. LATE OR INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED.

Eligibility/Admission Requirements:
1. The student must be a graduate of an accredited high school or have passed the GED test or equivalent.
2. All prerequisite courses in Group A must be completed before applying for admission into the program.
   - Each Group A course must be completed with a grade of “C” or better (letter grade only) with an overall grade-point average (GPA) of 2.5 or better (“C−” is not acceptable).
   - Anatomy, Physiology, and Microbiology courses must have been taken within the last seven years.
3. A recent (within 6 months) physical examination certifying good physical health must be satisfactorily completed, at the student’s own expense, and results submitted two weeks prior to the start of the Fall semester.
4. CPR (Basic Life Support) certification must be current within one year at the time of application and must remain current throughout the length of the program.
5. The student must have proof of negative results of annual Tuberculosis (TB) screening.
6. Upon enrollment to the college, students should obtain an Initial Evaluation Request Form from the college’s Admissions and Records Office for courses completed at other colleges or universities. Foreign transcripts must be sent to World Education Services for evaluation and Berlitz Translation Services for translation. Forms may be obtained from the Counseling Office.
7. Nonresident foreign students must see the International Student Advisor before applying.
8. Two sets of official transcripts from all colleges outside of the Peralta District must be on file: One set to the District Admission and Records Office, and one set to the Allied Health Department (D102) at Merritt. Coursework taken at a Peralta College is available already; therefore, it is not necessary to send transcripts for coursework completed in the Peralta District.

Admission Criteria Effective as of Fall 2008:

The process by which students are admitted to the Associate Degree Nursing Program (ADN) changed for students applying for admission into the Program in Fall 2008 and subsequent terms. The Program adopted the Chancellor’s Advisory Model Prerequisites for Enrollment in Associate Degree Nursing Program admission criteria. Students must complete all Group A prerequisites prior to applying to the ADN Program for admission. While it is highly recommended that students complete both Group A and Group B courses prior to entry into the ADN Program, admission into the ADN Program will be based upon the Chancellor’s Advisory Model Prerequisites for Enrollment in the Associate Degree Nursing Program (Group A courses).

Admission will be determined by the following:
1. Overall college GPA: 2.5 or above.
2. Biology Core (anatomy, physiology, and microbiology) GPA: 2.5 or above; English 1A (Composition and Reading) GPA: 2.0. Additionally, biology core repetitions will be evaluated. Course repetitions will adversely affect your overall score. A withdrawal (W), D, or F is counted as a repetition. A formula approved by the State Chancellor’s Office will compute your cut score. Those who score above 75% will be entered into the eligibility pool. Of those eligible to enroll into the Nursing Program, a lottery will be used for selection purposes. All students meeting the admission criteria
will be eligible for admission by one of two random selections.

Applications will be accepted from October 1 through March 1 for Fall admission of the following academic school year. Students may apply for admission only once per year.

In order to apply for admission into the ADN Program, students must complete the admission prerequisites (Group A courses). After completion of the Group A courses, students should make an appointment to see a Nursing Program counselor. At that time, the student’s transcripts will be screened to determine whether the student is eligible for admission based upon the Chancellor’s Advisory Model Prerequisites. Students who are approved by the Nursing Program counselor for admission eligibility between October 1 and November 30 will be in the first random selection group. Students who are approved by the Nursing Program counselor for admission eligibility between November 30 and March 1 will be in the second random selection group.

Prior to admission, all students who have been randomly selected must also pass a diagnostic assessment test (Basic Math, English, Reading, and Science) in addition to meeting the requirements stated above. Students who fail to achieve a passing score will be required to complete additional Pre-nursing course work prior to admission and enrollment in the Nursing Program. Pre-Nursing course work and clearance of diagnostic assessment deficiencies must be completed to become eligible for admission to the program.

Eligibility/Admission Requirements:

**Group A – Prerequisite Requirements:**

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 20A</td>
<td>Human Anatomy and Physiology (5)</td>
<td></td>
</tr>
<tr>
<td>BIOL 20B</td>
<td>Human Anatomy and Physiology (5)</td>
<td></td>
</tr>
<tr>
<td>BIOL 2</td>
<td>Human Anatomy (5)</td>
<td></td>
</tr>
<tr>
<td>BIOL 4</td>
<td>Human Physiology (5)</td>
<td>10</td>
</tr>
<tr>
<td>BIOL 3</td>
<td>Microbiology</td>
<td>5</td>
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<tr>
<td>ENGL 1A</td>
<td>Composition and Reading</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Required Prerequisite Units:</strong></td>
<td>19</td>
</tr>
</tbody>
</table>

**Group B – General Education/Graduation Requirements:**

Although Group B courses meet General Education (GE)/Graduation Requirements and can be completed prior to or after admission into the ADN Program, it is highly recommended that these courses be completed prior to admission into the program. Each Group B course must be completed with a grade of “C” or better (letter grade only) except for Ethnic Studies and Computer Literacy. “C-” is not acceptable.

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 203</td>
<td>Intermediate Algebra</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1B</td>
<td>Composition and Reading (4)</td>
<td></td>
</tr>
<tr>
<td>ENGL 5</td>
<td>Critical Thinking in Reading and Writing (3)</td>
<td>3-4</td>
</tr>
<tr>
<td>PSYCH 1A</td>
<td>Introduction to General Psychology Writing (3)</td>
<td>3</td>
</tr>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology (3)</td>
<td></td>
</tr>
<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology (3)</td>
<td>3</td>
</tr>
<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Required GE/Graduation Units:</strong></td>
<td>20-21</td>
</tr>
</tbody>
</table>

The minimum GE-unit requirement for the Associate Degree is 19 units; some of these requirements can be met by the Group A prerequisite courses. Computer Literacy and Ethnic Studies are degree requirements that are not required by the BRN for licensure.

**Group C – Degree Major Requirements:**

The following courses are to be completed after admission into the ADN program. These courses must be completed with a grade of “C” or better (a 75% passing grade) in lecture and satisfactory clinical performance in each section of a course (“C-” is not acceptable):

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 1</td>
<td>Fundamentals in Nursing: Beginning Principles of Health Care</td>
<td>9</td>
</tr>
<tr>
<td>NURS 3A</td>
<td>Perinatal Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NURS 3B</td>
<td>Pediatric Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NURS 4A</td>
<td>Intermediate Medical-Surgical Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NURS 4B</td>
<td>Psychiatric Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NURS 5</td>
<td>Advanced Medical-Surgical Nursing: Disruption in Homeostasis</td>
<td>9</td>
</tr>
<tr>
<td>NURS 10</td>
<td>Leadership and Management</td>
<td>1</td>
</tr>
<tr>
<td>NURS 11</td>
<td>Ethics and Law</td>
<td>1</td>
</tr>
<tr>
<td>NURS 12</td>
<td>Calculation of Drug Dosages for Health Professionals</td>
<td>1</td>
</tr>
<tr>
<td>NURS 13</td>
<td>Pharmacology in Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 14</td>
<td>Nutrition and Diet Therapy in Nursing</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Total Required Major Units:</strong></td>
<td>42</td>
</tr>
<tr>
<td></td>
<td><strong>Total Required Program Units:</strong></td>
<td>81-82</td>
</tr>
</tbody>
</table>

Students with prior experience in the healthcare field, such as Licensed Vocational Nursing (LVN), may apply to challenge courses within the Nursing curriculum and seek advanced placement in the program. Contact the Allied
CURRICULUM PATTERNS AND COURSES

Health Department for details. For written information regarding advanced placement, challenge by examination, transfer, or the 30-unit option (BRN Regulation, Section 2736.6), contact the Allied Health Department Office located in Building D, Room 102.

Note: Transfer-in or advanced-placement students will be admitted only on a space-available basis.

NURS 1
Fundamentals in Nursing: Beginning Principles of Health Care
9 units, 4 hours lecture, 12 hours hospital/laboratory, 3 hours skills laboratory (GR)
Prerequisite: Biol 2 or 20A, and Biol 3, and Biol 4 or 20B, and Math 201 or 210D or (204B), and CPR (BLS) certification or Hlted 11, and health clearances: physical examination and negative TB test results
Corequisite: Nurs 11 and 12
Acceptable for credit: CSU
Introduction to nursing in historical, contemporary, and factual perspectives: Nursing fundamentals, changing philosophy of health care, current concepts of health and illness, emerging trends with emphasis on homeostasis relating to promotion and conservation of individual, family, and community health; nursing process and diagnoses. Clinical experience focuses on beginning nursing skills in caring for selected medical-surgical patients experiencing disruption in homeostasis. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 3A
Perinatal Nursing
4 units, 2 hours lecture, 6 hours laboratory (GR)
Prerequisite: Nurs 1 and 11 and 12
Prerequisite or corequisite: Nurs 13
Acceptable for credit: CSU
Theory and guided practice in working with other nursing and health-team members in providing comprehensive care of the child-bearing family in perinatal hospital settings. Clinical experience focuses on assuming responsibility for planning, implementing and evaluating nursing care of patients using homeostasis as a base, and the nursing process as a tool for intervention. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 3B
Pediatric Nursing
4 units, 2 hours lecture, 6 hours laboratory (GR)
Prerequisite: Nurs 1 and 11 and 12
Prerequisite or corequisite: Nurs 13
Acceptable for credit: CSU
Theory and guided practice in working with other nursing and health-team members in providing comprehensive care of infants and children in pediatric hospital settings. Clinical experience focuses on assuming responsibility for planning, implementing and evaluating nursing care of patients using homeostasis as a base, and the nursing process as a tool for intervention. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 4A
Intermediate Medical-Surgical Nursing
4 units, 2 hours lecture, 6 hours laboratory (GR)
Prerequisite: Nurs 1 and 11 and 12
Prerequisite or corequisite: Nurs 13
Acceptable for credit: CSU
Theory and guided practice in working with nursing and health-team members in providing comprehensive care of adults in medical, surgical and geriatric clinical settings. Clinical experience focuses on assuming responsibility for planning, implementing and evaluating care of patients with increasingly complex levels of physical, social and emotional disruption and adaptation of homeostasis. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 4B
Psychiatric Nursing
4 units, 2 hours lecture, 6 hours laboratory (GR)
Prerequisite: Nurs 1 and 11 and 12
Prerequisite or corequisite: Nurs 13
Acceptable for credit: CSU
Theory and guided practice in working with nursing and health-team members in providing comprehensive care of adults in psychiatric clinical settings. Clinical experience focuses on assuming responsibility for planning, implementing and evaluating care of patients with increasingly complex levels of physical, social and emotional disruption and adaptation of homeostasis. Course includes in-class lecture and discussion and online and distance learning components. 1230.10
NURS 5
Advanced Medical-Surgical Nursing: Disruption in Homeostasis
9 units, 4 hours lecture, 15 hours laboratory (GR)
Prerequisite: Nurs 3A, 3B, 4A, 4B, and 14
Corequisite: Nurs 10
Acceptable for credit: CSU
In-depth approach to the study of illness: Introduction to beginning practice in advanced medical-surgical nursing and leadership and management with combined lecture, demonstration and clinical experience. Clinical experience focuses on caring for critically ill patients with disruption in homeostasis, and beginning activities in leadership and management. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 10
Leadership and Management
1 unit, 1 hour lecture (GR)
Corequisite: Nurs 5
Acceptable for credit: CSU
Examination of various leadership and management styles, healthcare politics, and healthcare delivery systems: Examination of student nurse’s own leadership style and evaluation of its effectiveness. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 11
Ethics and Law
1 unit, 1 hour lecture (GR)
Corequisite: Nurs 1 and 12
Acceptable for credit: CSU
Legal rights and ethical issues of patients and health care professionals: Legal and ethical issues confronting practicing nurses and the legal boundaries of nurse conduct; ethical issues include examination of values of patients and health care professionals, effect of culture on an individual’s value system, and ethical conflicts; law portion covers legal issues encountered by nurses and methods of resolving them. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 12
Calculation of Drug Dosages for Health Professionals
1 unit, 1 hour lecture (GR)
Prerequisite: Math 201 or 210D or (204B)
Corequisite: Nurs 1 and 11
Recommended preparation: Review and remastery of mathematical computations involving fractions, decimals, ratios, percents, simple equations, proportions, and systems of measurement before entrance into the program
Eligible for credit by examination.
Acceptable for credit: CSU
Calculation of the correct amount of prescribed medication and fluids to be given to patients: Weights and measures used in the prescription and administration of medications, and the ability to use mathematical skills in calculating medication dosages. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 13
Pharmacology in Nursing
3 units, 3 hours lecture (GR)
Prerequisite: Nurs 1
Acceptable for credit: CSU
Description and study of general and specific classes of drugs: Mechanisms of their actions, interactions, symptoms of toxicity, and common drugs in each group; and state and federal drug legislation. Course includes in-class lecture and discussion and online and distance learning components. 1230.10

NURS 14
Nutrition and Diet Therapy in Nursing
2 units, 2 hours lecture (GR)
Prerequisite: Nurs 1
Acceptable for credit: CSU
Basic principles of human nutrition and fundamentals of diet therapy: Nutrients, their function and food sources, and problems of excess and deficiency; dietary guidelines for health promotion and disease prevention; screening for nutritional risk, assessment of dietary needs, care planning, modified needs of the life cycle, and dietary modifications for common and uncommon health conditions. Course includes in-class lecture and discussion and online and distance learning components. 1230.10
**CURRICULUM PATTERNS AND COURSES**

NURS 15A  
**LVN-ADN Exam**  
.5 units, 8 term hours lecture (P/NP)  
Passage of the LVN-ADN Exam is required for admission to the Associate Degree Nursing (ADN) program with advanced placement. Orientation to the Associate Degree Nursing (ADN) program and examination of LVN (Licensed Vocational Nurse) applicants to the program: Discussion of the Associate degree Nursing curriculum, and administration of the Merritt College Nursing program’s Exam for LVNs. 1230.10

NURS 15B  
**Pre-Nursing Articulation for LVNs**  
4.5 units, 4.5 hours lecture (GR)  
Bridge course for LVNs (Licensed Vocational Nurse) receiving advanced placement in the Associate Degree Nursing program: Provides the course content necessary for the transition of the LVN into the role of the Nursing student. 1230.10

NURS 48NA-TZ  
**Selected Topics in Nursing**  
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)  
See section on Selected Topics. 1230.10

NURS 49  
**Independent Study in Nursing**  
.5-5 units (GR or P/NP)  
Course study under this section may be repeated three times.  
See section on Independent Study. 1230.10

NURS 248NA-TZ  
**Selected Topics in Nursing**  
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)  
See section on Selected Topics. 1230.10

NURS 260A  
**Nursing Skills Lab**  
Module A: .5 units, 1.5 hours laboratory (P/NP)  
Modular, open-entry/open-exit course  
Corequisite: Nurs 1  
Non-degree applicable  
Nursing skills lab for AD Nursing students to practice and improve skills in a self-paced, controlled environment: Focus on nursing diagnosis and nursing care plans, vital signs, infection control/asepsis (basic hygiene and dressing changes), communication techniques, patient safety and comfort, medications; feeding techniques. 1230.10

NURS 260B  
**Nursing Skills Lab**  
Module B: 1 unit, 3 hours laboratory (P/NP)  
Modular, open-entry/open-exit course  
Corequisite: Nurs 3A or 3B  
Non-degree applicable  
Nursing skills lab for AD Nursing students to practice and improve skills in a self-paced, controlled environment: Focus on review of physical assessment skills; fluids, elimination, mobility, nasogastric tube insertion, case studies. 1230.10

NURS 260C  
**Nursing Skills Lab**  
Module C: 1.5 units, 4.5 hours laboratory (P/NP)  
Modular, open-entry/open-exit course  
Corequisite: Nurs 4A or 4B  
Non-degree applicable  
Nursing skills lab for AD Nursing students to practice and improve skills in a self-paced, controlled environment: Focus on oxygenation and ventilation, IV insertion techniques, diagnostic tests and procedures, infection control/asepsis (complex dressings), case studies. 1230.10

NURS 260D  
**Nursing Skills Lab**  
Module D: 2 units, 6 hours laboratory (P/NP)  
Modular, open-entry/open-exit course  
Corequisite: Nurs 5  
Non-degree applicable  
Nursing skills lab for AD Nursing students to practice and improve skills in a self-paced, controlled environment: Focus on medications, blood transfusions, case studies. 1230.10

NURS 270  
**Survey of Nursing Programs and Professions**  
.5 units, .5 hours lecture (or 9 term hours lecture) (P/NP)  
Non-degree applicable  
Introduction to nursing roles and professions in the healthcare fields: Discussion of levels of healthcare delivery responsibilities, issues and compensation. 1230.10

NURS 275  
**Associate Degree Nursing Orientation**  
.5 units, .5 hours lecture (P/NP)  
Non-degree applicable  
Overview of the nursing program: Requirements of the program, time commitment, scheduling of pre-clinical hours and clinical hours. 1230.10

MERRITT COLLEGE 2009-2011
NURS 348NA-TZ
Selected Topics in Nursing
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
Non-degree applicable
See section on Selected Topics. 1230.10

NUTRITION AND DIETETICS (NUTR)

The Nutrition and Dietetics program serves those who wish to train for a career in the nutrition and dietetics field, those who wish to prepare for transfer to a four-year institution, and those who are currently employed in an agency providing nutrition/dietetics services and who seek training for career advancement or certification as Dietetic Technicians.

There are three majors in the Nutrition and Dietetics Department: Dietary Assistant, Dietary Manager, and Dietetic Technology. To qualify for the Certificate of Proficiency in Dietary Assistant, students must satisfactorily complete the Certificate requirements specified for that major. To qualify for the Certificate of Achievement in Dietary Manager (Dietetic Service Supervisor), students must satisfactorily complete the Certificate requirements specified for that major. To qualify for the AS degree in Dietetic Technology, students must satisfactorily complete the Degree Major requirements. The Nutrition and Dietetics program is dedicated to fostering a learning environment which will provide the healthcare community with culturally-diverse dietetic practitioners who have excellent training, ethics and professionalism; support the lifelong academic and professional success of every student, regardless of race, national origin or economic status; and contribute to institutional success by achieving increased recruitment into the program, successful completion of training by the student, and the successful employment of the student.

Eligibility/Admission Requirements for Dietary Manager and Dietetic Technician Field Placement/Internship Programs:
1. A recent (within 6 months) physical examination certifying good physical health and negative TB screening must be satisfactorily completed, at the student’s own expense, and results submitted on the first day of class.
2. Active e-mail account.
3. Prerequisite courses in Nutrition and Dietetics must be completed before applying for admission into the Dietary Manager or the Dietetic Technician Field Placement/Internship programs.

- Nutrition and Dietetics major courses must be completed with a grade of “C” or better.
- Nutr 10, 12, 30, 31*, and 32* must be taken prior to applying to the field placement/internship program. This coursework must be current and have been taken within the last seven (7) years.
  *Nutr 31 or 32 (one course only) may be taken concurrently with Nutr 71A.

4. Upon enrollment to the college, students should obtain an Initial Evaluation Request Form from the college’s Admissions and Records Office for courses completed at other colleges or universities. Go to the American Dietetic Association website, www.eatright.org, for a list of agencies that can evaluate foreign transcripts.

5. Two sets of official transcripts from all colleges outside of the Peralta District must be on file: One set to the District Admission and Records Office, and one set to the Allied Health Department/Nutrition and Dietetics at Merritt College. Coursework taken at a Peralta College is available already; therefore, it is not necessary to send transcripts for coursework completed in the Peralta Community College District.

Highly Recommended:

CIS 1, Introduction to Computer Information Systems. Students entering the program are expected to demonstrate intermediate skills using Microsoft Word, e-mail, and navigating the Internet. Students who are not proficient are advised to complete CIS 1 at Merritt (or an equivalent course at another college).

DIETARY ASSISTANT

The Dietary Assistant certificate is designed for those who show an interest in nutrition and dietetics, but who have no prior experience. Further training will qualify the student for the Dietary Manager certificate or the Dietetic Technology degree. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript.

Certificate of Proficiency Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUTR 10</td>
<td>Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>NUTR 200A-B</td>
<td>Introduction to Institutional Food Service (1-2)</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 246</td>
<td>Occupational Work Experience in Nutrition and Dietetics (1-4)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total Required Units:</strong></td>
<td><strong>7</strong></td>
</tr>
</tbody>
</table>

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DIETARY MANAGER

The Dietary Manager program is designed for those with food-service and cooking experience who seek advancement into management positions, especially in the healthcare field. Completion of this program qualifies one for employment in a long-term healthcare facility as a Dietetic Service Supervisor (DSS designation, State of California Department of Public Health). It also qualifies the graduate to apply for certification with the national Dietary Managers Association as a Certified Dietary Manager (CDM) and Certified Food Protection Professional (CFPP). A Certificate of Achievement in Dietary Manager (Dietetic Service Supervisor) will be awarded upon satisfactory completion of the Major course requirements.

Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUTR 10</td>
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<td></td>
</tr>
<tr>
<td>or BIOL 31</td>
<td>Nutrition (4)</td>
<td></td>
</tr>
<tr>
<td>or BIOL 28</td>
<td>Human Nutrition (3); Plus an elective for one unit from:</td>
<td></td>
</tr>
<tr>
<td>NUTR 1</td>
<td>Survey of Nutrition and Dietetics (1)</td>
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</tr>
<tr>
<td>or NUTR 246</td>
<td>Occupational Work Experience in Nutrition and Dietetics (1-4)</td>
<td>4</td>
</tr>
<tr>
<td>NUTR 12</td>
<td>Nutrition and Disease</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 30</td>
<td>Sanitation and Safety</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 31</td>
<td>Food-Production Systems</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 32</td>
<td>Supervision and Training</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 70A</td>
<td>Seminar in Supervised Practice, Level A</td>
<td>1</td>
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<tr>
<td>NUTR 71A</td>
<td>Rotations in Supervised Practice, Level A (1-4)</td>
<td>2</td>
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<td>Total Required Units:</td>
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</table>

DIETETIC TECHNOLOGY

The Dietetic Technology program provides training for Dietetic Technicians, who work cooperatively with Registered Dietitians. The Dietetic Technician is certified by the American Dietetic Association to screen clients for nutritional risk, and assist in assessing dietary needs, implementing care plans, and supervising food production and service. The Dietetic Technician, trained in food and nutrition, is an integral member of the healthcare, business and industry, public health, food service and research team.

Degree Major Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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</thead>
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<tr>
<td>NUTR 10</td>
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<td>or BIOL 28</td>
<td>Human Nutrition (3)</td>
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</tr>
<tr>
<td>or BIOL 31</td>
<td>Nutrition (4)</td>
<td></td>
</tr>
<tr>
<td>NUTR 12</td>
<td>Nutrition and Disease</td>
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</tr>
<tr>
<td>NUTR 30</td>
<td>Sanitation and Safety</td>
<td>2</td>
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<tr>
<td>NUTR 31</td>
<td>Food-Production Systems</td>
<td>3</td>
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<td>NUTR 32</td>
<td>Supervision and Training</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 70A</td>
<td>Seminar in Supervised Practice, Level A</td>
<td>1</td>
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<tr>
<td>NUTR 71A</td>
<td>Rotations in Supervised Practice, Level A (1-4)</td>
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<tr>
<td>NUTR 71B</td>
<td>Rotations in Supervised Practice, Level B (1-4)</td>
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<tr>
<td>NUTR 71C</td>
<td>Rotations in Supervised Practice, Level C (1-4)</td>
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<tr>
<td>ANTHR 3</td>
<td>Introduction to Social and Cultural Anthropology</td>
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<tr>
<td>or SOC 1</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>or SOC 5</td>
<td>Minority Groups</td>
<td>3</td>
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<tr>
<td>BIOL 24</td>
<td>Basic Human Anatomy and Physiology</td>
<td>4</td>
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<tr>
<td>COMM 20</td>
<td>Interpersonal Communication Skills</td>
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<td>ENGL 1A</td>
<td>Composition and Reading</td>
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<tr>
<td>HLT0C 201</td>
<td>Medical Terminology I</td>
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<td>MATH 203</td>
<td>Intermediate Algebra</td>
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<tr>
<td>PSYCH 1A</td>
<td>Introduction to General Psychology</td>
<td>3</td>
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<tr>
<td>Plus:</td>
<td>Computer Literacy (Area 4c) course</td>
<td>1</td>
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<tr>
<td>And:</td>
<td>Ethnic Studies (Area 5) course</td>
<td>3</td>
</tr>
<tr>
<td>And:</td>
<td>Humanities (Area 3) course</td>
<td>3</td>
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<tr>
<td>And:</td>
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<tr>
<td>Total Required Degree Major Units:</td>
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</table>

Recommended:
Nutr 1, Survey of Nutrition and Dietetics (1)
Nutr 200A-200B, Introduction to Institutional Food Service (1-2)

1 The courses listed meet course-content graduation requirements specified by the Nutrition and Dietetics Department to meet American Dietetic Association standards. Some of these courses also meet General Education requirements for the Associate degree. Note: Students who plan to sit for the American Dietetic Association (ADA) exam for Dietetic Technician Registered (DTR) certification must possess an Associate or higher degree before applying to take the exam.

2 Engl 1A is required for transfer and for the Associate degree.

3 Math 203 or a more advanced Mathematics course is required for the Associate degree; Math 50 or higher is required for transfer.
Recommended Sequence of Courses for Five Semesters:

<table>
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<tr>
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<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>SUMMER (FIRST SEMESTER)</td>
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<tr>
<td>NUTR 10</td>
<td>Nutrition (4)</td>
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<td>or BIOL 28</td>
<td>Human Nutrition (3)</td>
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<tr>
<td>or BIOL 31</td>
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<td>FALL (SECOND SEMESTER)</td>
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<tr>
<td>BIOL 24</td>
<td>Basic Human Anatomy and Physiology</td>
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<tr>
<td>or CIS 205</td>
<td>Computer Literacy</td>
<td></td>
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<tr>
<td>or HLTOC 201</td>
<td>Medical Terminology I</td>
<td>2</td>
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<tr>
<td>or NUTR 12</td>
<td>Nutrition and Disease</td>
<td>3</td>
</tr>
<tr>
<td>or NUTR 30</td>
<td>Sanitation and Safety</td>
<td>2</td>
</tr>
<tr>
<td>or NUTR 31</td>
<td>Food-Production Systems (3)</td>
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</tr>
<tr>
<td>or NUTR 32</td>
<td>Supervision and Training (3)</td>
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<td>or NUTR 31</td>
<td>Food-Production Systems (3)</td>
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<td>or NUTR 32</td>
<td>Supervision and Training (3)</td>
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<tr>
<td>or NUTR 70A</td>
<td>Seminar in Supervised Practice, Level A</td>
<td>1</td>
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<tr>
<td>or NUTR 71A</td>
<td>Rotations in Supervised Practice, Level A (1-4)</td>
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<tr>
<td>or SOC 1</td>
<td>Introduction to Sociology</td>
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<tr>
<td>or SOC 5</td>
<td>Minority Groups</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 20</td>
<td>Interpersonal Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1A</td>
<td>Composition and Reading</td>
<td>4</td>
</tr>
<tr>
<td>or NUTR 70B</td>
<td>Seminar in Supervised Practice, Level B</td>
<td>2</td>
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<tr>
<td>or NUTR 71B</td>
<td>Rotations in Supervised Practice, Level B (1-4)</td>
<td>2</td>
</tr>
<tr>
<td>or PSYCH 1A</td>
<td>Introduction to General Psychology</td>
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<tr>
<td>SPRING (FIFTH SEMESTER)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NUTR 70C</td>
<td>Seminar in Supervised Practice, Level C</td>
<td>2</td>
</tr>
<tr>
<td>or NUTR 71C</td>
<td>Rotations in Supervised Practice, Level C (1-4)</td>
<td>2</td>
</tr>
<tr>
<td>Plus:</td>
<td>Ethnic Studies (Area 5) course</td>
<td>3</td>
</tr>
<tr>
<td>And:</td>
<td>Humanities (Area 3) course</td>
<td>3</td>
</tr>
<tr>
<td>And:</td>
<td>Electives</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>Semester Total:</td>
<td>12-13</td>
</tr>
<tr>
<td></td>
<td>Total Required Degree Major Units:</td>
<td>60</td>
</tr>
</tbody>
</table>

1Out-of-district and/or out-of-state courses will be individually evaluated through the Counseling Office to determine if they fulfill the Merritt College General Education requirements. See a counselor regarding General Education requirements, or contact the Nutrition and Dietetics Department for evaluation of previously-completed coursework in nutrition and dietetics and possible course waiver. A written exam may be required to demonstrate currency. At least 12 units of Associate degree-level coursework must be completed at Merritt College.

2Engl 1A is required for transfer and for the Associate degree.

3Math 203 or a more advanced Mathematics course is required for the Associate degree; Math 50 or higher is required for transfer.

PATHWAY II CERTIFICATE

The Merritt College Nutrition and Dietetics program is accredited by the American Dietetic Association/Commission on Accreditation of Dietetics Education (ADA/CADE). Program graduates are qualified to sit for the national ADA exam, and upon successful completion of the exam, they are qualified to use the designation of “Dietetic Technician Registered (DTR).” Recent legislation in California requires that Dietetic Technicians be registered. Dietetic Technicians who possess an Associate or higher degree, but who are not registered, must successfully complete both the Pathway II Certificate courses specified below and the national ADA exam to become registered. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student’s transcript. Students qualifying to apply for the Pathway II Certificate of Proficiency fall into one of the following three categories:

1. Graduates of an ADA/CADE-accredited, Associate-degree (or higher) program in nutrition and dietetics: Students who have satisfactorily completed all didactic components of their education (as verified by statement from the Nutrition and Dietetics Program Director) need only successfully complete the Seminars and Rotations in Supervised Practice requiring 450 hours of supervised practice to sit for the national ADA exam.

2. Graduates of a non-ADA/CADE-accredited, Associate-degree (or higher) program in nutrition and dietetics, or an unrelated field, from an accredited U.S. college or university: These students must provide evidence that they have completed the equivalent courses needed to satisfy the ADA/CADE Foundation Knowledge and Skills requirement. Additional coursework (as determined by the Nutrition and Dietetics Program Director) beyond the seminar lectures and 450 hours of supervised practice may be required.
3. Graduates who have earned degrees outside the United States: These students are required to provide evidence of equivalency through an evaluation service recommended by ADA/CADE. The student then proceeds as specified in #2 above.

<table>
<thead>
<tr>
<th>Certificate of Proficiency Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept/No.</td>
</tr>
<tr>
<td>NUTR 70A</td>
</tr>
<tr>
<td>NUTR 70B</td>
</tr>
<tr>
<td>NUTR 70C</td>
</tr>
<tr>
<td>NUTR 71A</td>
</tr>
<tr>
<td>NUTR 71B</td>
</tr>
<tr>
<td>NUTR 71C</td>
</tr>
<tr>
<td>Total Required Units:</td>
</tr>
</tbody>
</table>

NUTR 1
Survey of Nutrition and Dietetics
1 unit, 1 hour lecture (GR or P/NP)
Acceptable for credit: CSU
Exploration of the professional scope of practice and career and educational opportunities in the nutrition and dietetics field: History of the profession; legal issues; roles, skills and required competencies in the field; professional code of ethics; program requirements and plan of completion; and career planning and development of a career portfolio. 1306.20

NUTR 10
Nutrition
4 units, 4 hours lecture (GR or P/NP)
Not open for credit to students who have completed or are currently enrolled in Biol 28 at Laney College or Biol 31 at College of Alameda.
Formerly offered as Facs 10.
Acceptable for credit: CSU, UC
Basic principles of human nutrition: Nutrients, their function and food sources, and problems of excess and deficiency; dietary guidelines for health promotion and disease prevention. 1306.60
CSU area E

NUTR 12
Nutrition and Disease
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Nutr 10 or (Facs 10) or Biol 28 or Biol 31
Formerly offered as Facs 12.
Acceptable for credit: CSU, UC (pending)
Fundamentals of nutrition needs for common and uncommon health conditions/diseases including lifecycle variations: Review of the Nutrition Care Process (NCP), scope of practice, screening for nutritional risk, assessment of dietary needs, medical nutrition therapy interventions, modified diets, meal planning, and menu writing. 1306.60
CSU area E

NUTR 25
Weight Management Principles and Practice
2 units, 2 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Principles of nutrition and behavioral self-management techniques as related to weight loss, weight maintenance, and health status: Nutrient utilization, assessment of nutritional status, energy balance, weight standards, weight management, obesity as a public health issue, analysis of weight-loss diets and supplements/programs, eating disorders, and diet planning and analysis. 1306.20

NUTR 30
Sanitation and Safety
2 units, 2 hours lecture (GR or P/NP)
Formerly offered as Facs 81.
Acceptable for credit: CSU
Basic principles of sanitation and safety in the purchasing, storage, and preparation of food: Emphasis on the principles of Hazard Analysis Critical Control Point (HACCP) applied to a healthcare food-production system, including accident prevention, crisis management, and current regulations. 1306.60
CURRICULUM PATTERNS AND COURSES

NUTR 31
Food-Production Systems
3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)
Formerly offered as Facs 84.
Acceptable for credit: CSU
The functions of institutional food-service production: Menu development and standardization; forecasting, purchasing, storage, preparation and service; staffing, equipment selection and maintenance; evaluation of the food-service system; medical diets including texture and nutrient modifications; information technology in food-service settings including budgeting, cost/inventory control, nutritional analysis, recipe development, production forecasting, menu production; selecting or upgrading systems software. 1306.60

NUTR 32
Supervision and Training
3 units, 3 hours lecture (GR or P/NP)
Formerly offered as Facs 82.
Acceptable for credit: CSU
Fundamentals of supervision and training in the nutrition and dietetics field: Human relations (communication, leadership, direction), operations management (laws, regulations, policies and procedures), institutional development (planning, marketing, evaluation), and professional development (ethics, career planning, portfolio development). 1306.60

NUTR 48NA-TZ
Selected Topics in Nutrition and Dietetics
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1306.00

NUTR 49
Independent Study in Nutrition and Dietetics
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1306.00

NUTR 70A
Seminar in Supervised Practice, Level A
1 unit, 1 hour lecture (GR or P/NP)
Prerequisite: Nutr 10 or Biol 28 or Biol 31, and Nutr 12 and 30
Corequisite: Nutr 71A
Acceptable for credit: CSU
Advanced study of the specific competencies required of the Dietary Manager and Dietetic Technician in a healthcare or community setting: Assessment, development, practicum, and evaluation of individual skills in nutrition therapy, sanitation, supervision, food production, delivery, and service. 1306.20

NUTR 70B
Seminar in Supervised Practice, Level B
2 units, 2 hours lecture (GR or P/NP)
Prerequisite: Nutr 70A
Corequisite: Nutr 71B
Acceptable for credit: CSU
Advanced study of the specific competencies required of the Dietetic Technician in a healthcare or community setting: Assessment, development, practicum, and evaluation of individual dietary skills. Focuses on clinical skills in a healthcare facility and public health nutrition skills in a community site. 1306.60

NUTR 70C
Seminar in Supervised Practice, Level C
2 units, 2 hours lecture (GR or P/NP)
Prerequisite or corequisite: Nutr 70B
Corequisite: Nutr 71C
Acceptable for credit: CSU
Advanced study of the specific competencies required of the Dietetic Technician in a healthcare or community setting: Assessment, development, practicum, and evaluation of individual dietary skills. Focuses on advanced clinical skills in an acute-care facility and management skills in dietetics. 1306.60

NUTR 71A
Rotations in Supervised Practice, Level A
1-4 units, hours to be arranged (GR or P/NP)
Prerequisite or corequisite: Nutr 31 and 32
Corequisite: Nutr 70A
Recommended preparation: Nutr 200A-B
Acceptable for credit: CSU
Course study under this section may be repeated one time for a maximum of 4 units.
Designed to relate classroom learning to the actual job environment: 150 hours of verified, supervised field experience in healthcare settings is required. 1306.20
CURRICULUM PATTERNS AND COURSES

NUTR 71B
Rotations in Supervised Practice, Level B
1-4 units, hours to be arranged (GR or P/NP)
Corequisite: Nutr 70B
Acceptable for credit: CSU
Course study under this section may be repeated one time for a maximum of 4 units.
Supervised application of dietetic principles in a healthcare facility to practice clinical competencies and in a community site to practice public health competencies: A total of 150 supervised hours is required. 1306.60

NUTR 71C
Rotations in Supervised Practice, Level C
1-4 units, hours to be arranged (GR or P/NP)
Corequisite: Nutr 70C
Acceptable for credit: CSU
Course study under this section may be repeated one time for a maximum of 4 units.
Supervised application of dietetic principles in a healthcare facility to practice advanced clinical and management skills: A total of 150 supervised hours is required. 1306.60

NUTR 200A
Introduction to Institutional Food Service
1 unit, 3 hours laboratory (GR or P/NP)
Computer-assisted instruction in the skills needed in institutional food service: Sanitation, safety, food preparation, modified diets, and quality service. 1306.20

NUTR 200B
Introduction to Institutional Food Service
1 unit, 3 hours laboratory (GR or P/NP)
Computer-assisted instruction in the skills needed in institutional food service: Basic math and measurements used in food service. 1306.20

NUTR 246
Occupational Work Experience in Nutrition and Dietetics
1-4 units, hours to be arranged (GR or P/NP)
Course study under this section may be repeated three times for a maximum of 4 units.
Supervised application of desirable work habits and skills needed in institutional food service: Sanitation, safety, food preparation, modified diets, quality service, observation of meal service from an institutional kitchen (centralized and/or decentralized), menus, purchasing and inventory control, and the basic measurements used in food service. 1306.20

NUTR 248NA-TZ
Selected Topics in Nutrition and Dietetics
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1306.00

PARALEGAL STUDIES
(PARLG)

There is a growing need for trained paralegals who know substantive law and administrative procedures required by the law and the court systems. The paralegal performs various legal tasks under the supervision of attorneys, including conducting legal research and drafting legal documents. Paralegals provide staff support for attorneys in a law office or in a legal setting. Many of these tasks are done by attorneys; however, under the law, they could be provided by paralegals under the supervision of an attorney.

The AA degree in Paralegal Studies will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARLG 1</td>
<td>Law and the Legal Profession</td>
<td>3</td>
</tr>
<tr>
<td>PARLG 6</td>
<td>Legal Research</td>
<td>3</td>
</tr>
<tr>
<td>PARLG 8</td>
<td>Introduction to Civil Procedure and</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Litigation Practice</td>
<td></td>
</tr>
<tr>
<td>PARLG 11</td>
<td>Advanced Legal Research and Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1A</td>
<td>Composition and Reading (4) or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 100* College Composition and Reading (4)</td>
<td>4</td>
</tr>
</tbody>
</table>

Select a minimum of 11-12 units from the following:

| PARLG 4 | Law Office Management                      | 2     |
| PARLG 9 | Introduction to Tort Law                   | 3     |
| PARLG 10| Family Law                                 | 3     |
| PARLG 12| Estate Planning and Probate Procedures     | 3     |
| PARLG 15| Criminal Law                               | 3     |
| PARLG 16| Seminar in Paralegal Studies Internship    | 1     |
| COPED 474A| Occupational Work Experience in          |       |
|          | Paralegal Studies (1-4)**                 |       |
| BUS 2    | Introduction to Business Law               | 3     |
|          | Total Required Units:                      | 11-12 |

*Engl 100 does not meet English composition transfer requirements; Engl 1A is required for transfer.
**A maximum of 3 units can be applied to the Certificate or AA degree.
Recommended:
Adjus 22, Concepts of Criminal Law (3)
Bus 1A, Financial Accounting (4)
Bus 244A, Beginning Word Processing (3)
Engl 5, Critical Thinking in Reading and Writing (3)
Phil 1, Introduction to Philosophy (3)
Posci 1, Government and Politics in the United States (3)

PARLG 1
Law and the Legal Profession
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Introduction to basic legal concepts, structure, and procedures of the American court system: Examination of theories and sources of the law, including torts, contracts, criminal and constitutional law; emphasis on the practical role of the paralegal within the legal system. 1402.00

PARLG 4
Law Office Management
2 units, 2 hours lecture (GR)
Acceptable for credit: CSU
Operation and organization of a law office: Structure, procedures, systems, organizational theory, personnel administration, and law office equipment. 1402.00

PARLG 6
Legal Research
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Legal research tools and materials: Law library, computerized legal research techniques, locating and utilizing source of state and federal law, public records; organization and management of law office library; preparation of legal bibliography; citation form and cite checking; preparation of legal memoranda, and other written assignments in conjunction with legal research problems. 1402.00

PARLG 8
Introduction to Civil Procedure and Litigation Practice
3 units, 3 hours lecture (GR)
Prerequisite: Parlg 1 and 6
Acceptable for credit: CSU
California and federal rules of civil procedure, and litigation practice from the beginning of the lawsuit through the end of a lawsuit: Initial pleadings, responsive pleadings, motions, discovery requests, pretrial, trial and post-trial practice, and settlement. 1402.00

PARLG 9
Introduction to Tort Law
3 units, 3 hours lecture (GR)
Prerequisite: Parlg 1 and 6
Acceptable for credit: CSU
Analysis and examination of tort law: Negligence, intentional torts, strict liability, product liability, defamation and other torts; and analysis of the facts of a particular client’s case to determine whether they have a valid case/cause of action. 1402.00

PARLG 10
Family Law
3 units, 3 hours lecture (GR)
Prerequisite: Parlg 1 and 6
Acceptable for credit: CSU
California family law: Dissolutions/divorces, legal separations, adoptions, paternity, termination of parental rights, spousal support, child support, child custody, and other interspousal rights and obligations. 1402.00

PARLG 11
Advanced Legal Research and Writing
3 units, 2 hours lecture, 3 hours laboratory (GR)
Prerequisite: Parlg 1 and 6
Acceptable for credit: CSU
Systematic approach to learning legal problem analysis and organization for written and oral communication: Drafting legal documents and letters, and developing listening skills and interviewing techniques. 1402.00

PARLG 12
Estate Planning and Probate Procedures
3 units, 3 hours lecture (GR)
Prerequisite: Parlg 1 and 6
Acceptable for credit: CSU
Wills, trusts, probate procedure, and estate administration: Purpose and need for a will; the distinction between wills and trusts; process and procedure of estate administration; duties of personal representative, including drafting and identifying all forms required for probate and estate administration. 1402.00

PARLG 15
Criminal Law
3 units, 3 hours lecture (GR)
Prerequisite: Parlg 1 and 6
Acceptable for credit: CSU
Analysis and examination of criminal law and criminal procedure: Elements of crimes; crimes against the person; crimes against property; crimes against the public; defenses to crimes, searches, seizures, arrests, interrogation; pretrial practice; trial; sentencing; and appeals. 1402.00
PARLG 16
Seminar in Paralegal Studies Internship
1 unit, 1 hour lecture (GR or P/NP)
Prerequisite: Parlg 1 and 6
Corequisite: Coped 474A
Recommended preparation: Parlg 8 and 11
Acceptable for credit: CSU
Course study under this section may be repeated one time for a maximum of 2 units.
Study of the specific competencies required of the student in the Paralegal Studies Internship program: Assessment, development, practicum, and evaluation of individual skills in a paralegal setting. Course accompanies COPED 474A, Occupational Work Experience in Paralegal Studies, and provides students with the additional tools needed to have a successful and productive internship experience. 1402.00

PARLG 48NA-TZ
Selected Topics in Paralegal Studies
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1402.00

PARLG 49
Independent Study in Paralegal Studies
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1402.00

PARLG 248NA-TZ
Selected Topics in Paralegal Studies
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1402.00

PHILOSOPHY
(PHIL)

PHIL 1
Introduction to Philosophy
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of selected classic examples of original works of philosophers: Literature of the discipline and analytical methods, aims, goals, and types of problems peculiar to philosophers and philosophical inquiry; metaphysics, epistemology, valuing and axiology, aesthetics, and religion. 1509.00
AA/AS area 3; CSU area C2; IGETC area 3B

PHIL 2
Social and Political Philosophy
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Focus on classic examples of social and political philosophy in Western civilization: Original writings by classic Greeks (Plato and Aristotle), Americans (Hamilton, Madison, and Jefferson), modern Europeans (Marx and Mill), and appropriate contemporary philosophers. 1509.00
AA/AS area 3; CSU area C2; IGETC area 3B

PHIL 10
Logic
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Consideration of logical problems of language: Deduction and induction, fallacies, theory of argument and the scientific method, and study of correct reasoning in Aristotelian and modern logic. 1509.00
AA/AS area 3; CSU area A3

PHIL 48NA-TZ
Selected Topics in Philosophy
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1509.00

PHIL 49
Independent Study in Philosophy
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1509.00

PHIL 248NA-TZ
Selected Topics in Philosophy
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1509.00
PHYSICAL EDUCATION
(PE)

The Physical Education curriculum is organized into three segments: Preprofessional courses of more than one unit utilizing lecture/laboratory teaching; skills courses of one-half unit; and intercollegiate athletic courses of three units. The courses in physical education strive to develop skills and knowledge related to the specific discipline and to improve the individual’s physiological skills of flexibility, strength, balance, and cardio-respiratory vigor. Students are eligible to enroll in the intermediate and advanced sections if they already have skills and experience in that discipline. Students are also encouraged to enroll in more than one course each semester.

Transferability to University of California System: The University of California System grants a maximum of four semester units of credit for appropriate physical education “activity” courses (also called “athletics,” “human resources,” “adaptive P. E., etc.). These courses are not listed on the Transfer Course Articulation (TCA) list. Physical education “theory” courses or courses that do not fit either the “theory” or “activity” category are not included in the four semester credit limit prescribed for physical education activity courses and continue to be listed on the TCA list if deemed transferable. Physical education courses that are primarily vocational in nature, such as Aerobic Instructor Training or Fire Academy Protection Preparation, are not transferable.

PE 2
Aerobics
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Development of cardiovascular and respiratory systems of the body through oxygen intake. 0835.00

PE 5
Badminton
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Fundamentals and skills in badminton. 0835.00

PE 7
Basketball
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Fundamentals and skills in basketball. 0835.00

PE 9
Body Conditioning
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Physical fitness through flexibility routines, resistance training, core strengthening and cardiovascular exercise; benefits of physical fitness as an aspect of overall well-being. 0835.00

PE 14
General Exercise
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Development of muscular strength and endurance of the cardiovascular and respiratory systems; flexibility, agility, coordination and balance; principles of body mechanics and kinesiology. 0835.00

PE 15
Golf
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Basic golf skills and knowledge, and progression from the practice range to the golf course. 0835.00

PE 30
Soccer
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Fundamentals and skills in soccer. 0835.00
CURRICULUM PATTERNS AND COURSES

PE 35
Tennis
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Fundamentals and skills in tennis. 0835.00

PE 36
Track and Field
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Fundamentals and skills in track and field. 0835.00

PE 39
Weight Training
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Use of weights to build various muscle groups and increase their power and strength. 0835.00

PE 40
Yoga
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Development of basic yoga postures, conscious breathing patterns, and relaxation techniques; stretching and relaxation; and strengthening and stimulating creative energy. 0835.00

PE 42
Stretch Aerobics
.5 units, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 2 units.
Activity class: Development of overall fitness with emphasis on the cardiovascular system through stretch aerobics. 0835.00

PE 48NA-TZ
Selected Topics in Physical Education
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 0835.00

PE 49
Independent Study in Physical Education
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 0835.00

PE 51
Adaptive Weight Training and Conditioning
1 unit, 3 hours laboratory (GR or P/NP)
Recommended for students with physical disabilities. Because this class is physical in nature, it is recommended that students receive medical clearance prior to participation.
Acceptable for credit: CSU, UC
Course study under this section may be repeated three times for a maximum of 4 units.
Adaptive physical activity and conditioning: Activities designed to help students with disabilities improve muscle strength, aerobic capacity, and flexibility; and to meet individual goals and needs. 0835.80

PE 52
Aerobics of Jogging
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Conditioning through jogging: Physiology of exercise, fundamentals of diet and weight control, pace work in distance running, proper equipment, use of body mechanics, testing for self-improvement, and overall fitness. 0835.00

PE 56
Basketball–Fundamentals
2 units, 2 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated two times for a maximum of 6 units.
Fundamentals of basketball: Strategy, rules, and principles of team play; emphasis on fundamental skill development. 0835.00

PE 57
Basketball–Officiating
1 unit, 1 hour lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Technical study of rules and officiating procedures in basketball: Development of officiating skills leading to greater understanding and appreciation of the sport and to potential job opportunities. 0835.00

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CURRICULUM PATTERNS AND COURSES

PE 58
Basketball–Theory and Practice
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated one time
for a maximum of 4 units.
Theory and practice of basketball fundamentals. 0835.00

PE 64
Golf–Theory and Practice
2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Skill and knowledge through the study of rules,
club selection, and advanced golf shots: Practice and
development of skills on a regulation golf course, and
individual stroke analysis. 0835.00

PE 73
Track and Field–Officiating
1 unit, 1 hour lecture, 1 hour laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Technical study of rules and officiating procedures in
track and field: Development of officiating skills leading
to greater understanding and appreciation of the sport
and to potential job opportunities. 0835.00

PE 91
Basketball–Men (Intercollegiate)
1.5 units, 5 hours laboratory (GR)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three
times for a maximum of 6 units.
Fundamentals of intercollegiate competition: Theory,
team organization, technique, strategy, and leadership. 0835.50

PE 92
Basketball–Women (Intercollegiate)
1.5 units, 5 hours laboratory (GR)
Acceptable for credit: CSU, UC
Course study under this section may be repeated three
times for a maximum of 6 units.
Fundamentals of intercollegiate competition: Theory,
team organization, technique, strategy, and leadership. 0835.50

PE 93
Cross Country–Men and Women
(Intercollegiate)
3 units, 10 hours laboratory (GR)
Acceptable for credit: CSU, UC
Course study under this section may be repeated one time
for a maximum of 6 units.
Fundamentals of intercollegiate competition: Theory,
team organization, technique, strategy, and leadership. 0835.50

PE 96
Soccer–Men (Intercollegiate)
3 units, 10 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated one time
for a maximum of 6 units.
Fundamentals of intercollegiate competition: Theory,
team organization, techniques, strategy, and leadership. 0835.50

PE 100
Track and Field–Men and Women
(Intercollegiate)
3 units, 10 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated one time
for a maximum of 6 units.
Fundamentals of intercollegiate competition: Theory,
team organization, technique, strategy, and leadership. 0835.50

PE 103
Soccer–Women (Intercollegiate)
3 units, 10 hours laboratory (GR or P/NP)
Acceptable for credit: CSU, UC
Course study under this section may be repeated one time
for a maximum of 6 units.
Fundamentals of intercollegiate competition: Theory,
team organization, techniques, strategy, and leadership. 0835.50
CURRICULUM PATTERNS AND COURSES

PE 110
Physical Fitness for Public Safety Personnel
1.5 units, 1 hour lecture, 2 hours laboratory (GR or P/NP)
Acceptable for credit: CSU
Course study under this section may be repeated three times for a maximum of 6 units.
Physical fitness activities for public safety personnel (police and fire): Body conditioning and fitness activities to improve muscle tone, strength and endurance, increase flexibility and joint mobility, and develop aerobic capacity; use of weight training and other apparatus with emphasis on overall improvement of the cardiovascular and muscular systems and total physical fitness of the individual. 0835.00

PE 201
Fitness and Health Maintenance Activities
.5-2 units, 2-8 hours laboratory each level (GR or P/NP)
Open-entry/open-exit course
Course study under this section may be repeated three times for a maximum of 8 units.
Conditioning through the use of exercises and apparatus: Emphasis on overall improvement of the cardiovascular system. 0835.00

PE 248NA-TZ
Selected Topics in Physical Education
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 0835.00

PHYSICAL SCIENCE
(PHYSC)

PHYSC 48NA-TZ
Selected Topics in Physical Science
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 1901.00

PHYSC 49
Independent Study in Physical Science
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1901.00

PHYSICS
(PHYS)

PHYS 2A
General Physics
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: Math 50 or 52C
Acceptable for credit: CSU, UC
Comprehensive study of general physics: Mechanics, properties of matter, thermodynamics, heat, wave motion, and sound. 1902.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

PHYS 2B
General Physics
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: Phys 2A
Acceptable for credit: CSU, UC
Comprehensive study of general physics: Light, optics, electricity, magnetism, atomic physics, and modern physics. 1902.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

PHYS 4A
General Physics with Calculus
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite or corequisite: Math 3A
Recommended preparation: Phys 10
Acceptable for credit: CSU, UC
Comprehensive study of major topics of physics: Motion, forces, gravity, energy, momentum, rotation, equilibrium, fluids, oscillations, waves, and sound. 1902.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

PHYS 4B
General Physics with Calculus
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: Phys 4A and Math 3B
Acceptable for credit: CSU, UC
Comprehensive study of major topics of physics: Thermodynamics, electric forces and fields, magnetic forces and fields, electricity, and AC and DC circuits. 1902.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C
PHYS 4C
General Physics with Calculus
5 units, 4 hours lecture, 3 hours laboratory (GR)
Prerequisite: Phys 4B and Math 3C
Acceptable for credit: CSU, UC
Comprehensive study of major topics of physics:
Light, interference, relativity, quantum physics, atoms,
molecules, and nuclei. 1902.00
AA/AS area 1; CSU area B1, B3; IGETC area 5A, 5C

PHYS 10
Introduction to Physics
4 units, 4 hours lecture (GR)
Recommended preparation: Math 201 or 210D, and 202
Not open for credit to students who have completed or
are currently enrolled in Phys 2A-2B or 4A-4B-4C.
Acceptable for credit: CSU, UC
Elementary study of major topics of physics: Motion,
forces, energy, momentum, rotation, oscillation, sound,
electromagnetics, light, quantum physics, atoms, nuclei,
and relativity. 1902.00
AA/AS area 1; CSU area B1; IGETC area 5A

PHYS 20A
Calculus Supplement for Physics
1 unit, 1 hour lecture (GR or P/NP)
Prerequisite: Math 50 or 52C
Corequisite: Phys 2A or 4A
Acceptable for credit: CSU, UC
Calculus supplement to the mathematical tools of physics
employed in PHYS 2A or PHYS 4A: Introduction to limits,
derivatives, and anti-derivatives applied to one-, two-
and three-dimensional kinematics; maxima and minima;
force formulated as the time derivative of momentum;
integrals applied to finding centers of mass; rotational
kinematics using derivatives and integrals; calculating
moment of inertia; solving oscillatory systems with
differential equations; integrations in hydrostatic systems,
center of pressure, thermodynamic integrals and useful
work. 1902.00

PHYS 20B
Calculus Supplement for Physics
1 unit, 1 hour lecture (GR or P/NP)
Prerequisite: Phys 20A
Corequisite: Phys 2B
Acceptable for credit: CSU, UC
Calculus supplement to the mathematical tools of physics
employed in PHYS 2B: Fundamentals of integration,
Riemann sums, and fundamental theorem; using
integration and Gauss’s Law to determine electric fields,
electric potential, and capacitance and Ampere’s Law
to determine magnetic fields; and using differential
equations to solve for RC, LR, LC, and LRC circuits, and
for radioactive decay. 1902.00

PHYS 48NA-TZ
Selected Topics in Physics
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR
or P/NP)
See section on Selected Topics. 1902.00

PHYS 49
Independent Study in Physics
.5-5 units (GR)
Course study under this section may be repeated three
times.
See section on Independent Study. 1902.00

PHYS 248NA-TZ
Selected Topics in Physics
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR
or P/NP)
See section on Selected Topics. 1902.00

POLITICAL SCIENCE
(POSCI)

POSCI 1
Government and Politics in the United States
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to principles and the political process of
national, state, and local government: Emphasis on
national government and the Constitution. 2207.00
AA/AS area 2; CSU area D; IGETC area 4; CSU American
Institutions, Group 2, 3
CURRICULUM PATTERNS AND COURSES

POSCI 2
Comparative Government
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Comparative analysis in government and politics: Political leadership, citizenship participation, centers of power, and political problems of selected governments. 2207.00
AA/AS area 2; CSU area D; IGETC area 4

POSCI 3
International Relations
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Nature of relations among nation-states: Analysis of basic forces affecting the formulation of foreign policy, dynamics of international politics, survey of rise and development of the nation-state system, problems of nationalism and imperialism with emphasis on development since World War II, and evolution and operation of the United Nations. 2207.00
AA/AS area 2; CSU area D; IGETC area 4

POSCI 4
Political Theory
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Examination of various theoretical approaches to politics and of basic political problems and proposed solutions: Analysis of selected political theories and ideologies, relevance of theory to contemporary problems, and new approaches to political thought. 2207.00
AA/AS area 2; CSU area D; IGETC area 4

POSCI 5
American Politics and Minority Groups
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC (pending)
Role and experience of ethnic groups in the American political system: Expression and resolution of political conflicts, contemporary political experiences, problems of selected ethnic groups, proposed solutions to these problems, and practical political techniques for the achievement of such solutions. 2207.00
AA/AS area 2, 5; CSU area D; CSU American Institutions, Group 2

POSCI 16
State and Local Government
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Survey of governmental institutions and politics in California and the San Francisco Bay Area: Development of public policy and current issues such as federalism, elections, taxation, land uses, and political parties. 2207.00
AA/AS area 2; CSU area D; CSU American Institutions, Group 3

POSCI 48NA-TZ
Selected Topics in Political Science
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2207.00

POSCI 49
Independent Study in Political Science
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 2207.00

POSCI 248NA-TZ
Selected Topics in Political Science
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2207.00

PSYCHOLOGY (PSYCH)

PSYCH 1A
Introduction to General Psychology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Scientific principles of psychology: Application of scientific research in understanding learning, human development, biological processes, personality, behavior disorders, social psychology, and adjustment of the human organism. 2001.00
AA/AS area 2; CSU area D; IGETC area 4
PSYCH 1B
Introduction to General Psychology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Continuation of PSYCH 1A: Psychological research methods and principles of behavior modification. 2001.00
AA/AS area 2; CSU area D; IGETC area 4

PSYCH 19
Civilization’s Impact on the Environment:
Psychology of Trashing the Earth
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU
Also offered as Envmt 19. Not open for credit to students who have completed or are currently enrolled in Envmt 19.
Introduction to civilization’s impact on the environment: Connections between human psychosocial development and the creation of both environmental problems and their solutions, and human communities and their niche within and relative balance with the environment in past millennia; the human psyche, its origins in nature, and its influence on the story of life on earth; exploration of the opportunities and obstacles to planning a sustainable future. 2001.00
AA/AS area 2; CSU area D; IGETC area 4

PSYCH 3
Introduction to Personality Theory
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Classical and contemporary personality theories: Theorists from each of the major forces in psychology: Psychoanalytical (Freud, Jung, Adler), behavioral (Skinner, Bandura), and humanistic (Maslow, Rogers). 2001.00
AA/AS area 2; CSU area D; IGETC area 4

PSYCH 6
Social Psychology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Psychological aspects of human social life involved in the relationship between identity and social structure: Human behavior in the context of the individual as an acting and interacting member of various groups in society. 2001.00
AA/AS area 2; CSU area D; IGETC area 4

PSYCH 10
Psychology and Life: Basic Principles
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Basic principles of psychology and recent research developments: Contemporary psychological issues pertaining to individuals and their interactions. 2001.00
AA/AS area 2; CSU area D; IGETC area 4

PSYCH 12
Human Sexuality
3 units, 3 hours lecture (GR or P/NP)
Also offered as Biol 27 and Hltd 27. Not open for credit to students who have completed or are currently enrolled in Biol 27 or Hltd 27.
Acceptable for credit: CSU, UC
Exploration and analysis of the multifaceted aspects of human sexuality: Physiological, psychological, anatomical, sociological, legal, medical, educational, cultural; urogenital system of both sexes, birth control devices, and pregnancy. 2001.00
AA/AS area 2; CSU area D, E; IGETC area 4
PSYCH 248NA-TZ
Selected Topics in Psychology
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2001.00

RADIOLOGIC SCIENCE (RADSC)

The purpose of the Merritt College Radiologic Science Program is to prepare qualified practitioners who are competent in the art and science of medical imaging. Radiologic Technologists manipulate sophisticated technical equipment and computers to obtain detailed images of the human body. These images assist physicians in the diagnosis of injury and disease in the clinical environment. Radiologic Technologists work in hospitals, clinics, imaging centers, and physician’s offices. A successful and competent Radiologic Technologist is one who thinks critically, solves problems creatively, possesses strong technical skills, and cares for patients with sensitivity and compassion. The technologist must be flexible and able to work with patients from diverse cultural backgrounds with various needs, abilities, injuries, and disease processes. The program’s mission focuses on developing these important characteristics in program graduates.

The program seeks to:
1. Prepare students to demonstrate competency in the essential aspects of medical imaging while meeting the needs of the health care workforce.
2. Develop skills in team building, critical thinking, and effective communication.
3. Instill appropriate attitudes and foster affective growth in providing care and responding to patients’ needs during imaging procedures.
4. Promote professional growth and lifelong learning.

The AS degree and Certificate of Achievement in Radiologic Science will be awarded upon satisfactory completion of the Prerequisite requirements, the General Education requirements, and the Major course requirements. The certificate option is available only to those who have already completed the AS degree coursework.

The curriculum includes a clinical practicum that is conducted within various East Bay hospitals. This is a continuous program of 24 months duration. Students applying to the program must be prepared to make a full-time commitment (approximately 36 hours per week during daytime hours) for two full years, including summers. Upon successful completion of the required courses in Radiologic Science and the Merritt College Associate Degree requirements (or equivalent), the student is eligible to take the American Registry of Radiologic Technologists examination required for licensure and practice in the state of California. Upon successful completion of the program and licensing examination, graduates will qualify for employment as Radiologic Technologists performing a wide variety of patient radiographic procedures in hospitals, clinics, and medical offices and imaging centers.

Enrollment in the program is once a year in the Fall semester, by special application directly to the Radiologic Science Department. The application period is between January 15 and April 15 for the class beginning the following fall semester. All courses used for consideration for enrollment must be completed by April 15. All supporting documents must be received no later than April 15.

The following requirements and curriculum pattern include revised degree and certificate requirements for the Radiologic Science program, effective for the Fall 2006 semester. Students who started the program prior to Fall 2006 have the option of completing the requirements under the previous plan in the 2003-05 catalog provided they have been continuously enrolled (see Catalog Rights).

Eligibility/Admission Requirements:
1. Completion of high school or GED test or equivalent.
2. Completion of all prerequisite courses prior to application with a “C” grade or better in each course and an overall GPA of 2.5 or better (average for prerequisite courses only).
3. Prerequisite courses must be current within seven (7) years.
4. Currency for old Math and English courses may be established by taking the Math and English assessment tests (available through the Merritt College Counseling department).
5. Students must obtain medical clearance (at their own expense) and show proof of immunization for diphtheria, tetanus, polio, rubeola, rubella, mumps, and chicken pox before enrolling in the program. A negative tuberculosis screen (PPD skin test or chest
CURRICULUM PATTERNS AND COURSES

X-ray) is also required. Immunization for Hepatitis B is strongly suggested.

6. Students must obtain a background check (at their own expense) prior to enrolling in the program. Students with a history of felony convictions including abuse or fraud may be excluded from participating in clinical education and from taking the ARRT licensing examination. Other types of offenses may also result in exclusion from clinical education (at the discretion of the clinical affiliate) and/or the licensing examination. Students with such histories are encouraged to seek a pre-application review with both the American Registry of Radiologic Technologists (www.arrt.org, 651-687-0048, ext. 580), and the California Department of Health Services (www.dhs.ca.gov/rhb, 916-327-5106).

Application Procedures (Between January 15 and April 15):

After completion of the prerequisite courses, and as many of the General Education courses as possible, applicants shall:

1. Request three official sets and one unofficial set of transcripts from all colleges attended (including colleges within the Peralta Community College District). One set should be sent directly to the Peralta Community College District Admissions and Records Office (333 East 8th St., Oakland, CA 94606). Two official sets and one unofficial set should be sent directly to the student. Two official sets from each college must remain sealed to be submitted to the Radiologic Science Department along with the application packet. The unofficial set is for review by the counseling department at Merritt College and may be opened and reviewed by the student. Any transcripts sent directly to the Merritt College Radiologic Science Department without accompanying application materials will be returned.

2. Request one set of high school transcripts or provide proof of high school completion (a copy of the diploma or GED certificate, or equivalent). This document must be submitted with the application packet.

3. Schedule an appointment with the counseling department for verification of the prerequisite and General Education courses completed. Upon verification, the counselor will complete a “Permit to Apply” form. The completed “Permit to Apply” and General Education progress record must be submitted to the Radiologic Science Department in order to obtain a program application. Application materials are not accepted from students who have not completed the prerequisite courses.

4. Submit the complete application packet directly to the Radiologic Science Department. A complete application packet consists of: the Permit to Apply, a record of the General Education coursework completed (verified by a counselor), the completed application, assessment test scores to validate Math and/or English coursework more than seven (7) years old, proof of high school graduation (or equivalent), and two official (unopened) sets of transcripts from each college attended (including colleges in the Peralta Community College District). The application may be hand-delivered to the Allied Health office in D102 on the Merritt Campus, or mailed to the Merritt College Radiologic Science Department, 12500 Campus Drive, Oakland, CA 94619. Incomplete application packets will be returned to the student.

Post-Admission Requirement:

By the end of the first semester of the program, the student shall provide proof of current CPR (Basic Life Support for the Health Care Provider) certification, to be kept current throughout the length of the program. Tuberculosis screening must also be kept current throughout the length of the program.

Prerequisite Requirements:

Students must have completed the prerequisite courses, with a grade of “C” or better in each course, before applying to the program. Additionally, the average GPA for the prerequisite courses must be at least 2.5. The prerequisites include:

1. Radsc 1A, Survey of Radiologic Science (this course may not be waived for any reason; it must be taken at Merritt College to qualify).

2. Math 201, Elementary Algebra, or higher (equivalent course may be taken at other colleges).

3. Anatomy and Physiology (must have a lab in which a human cadaver is examined/dissected; equivalent course may be taken at other colleges). At Merritt College there are two options that qualify: Biol 20A and 20B, Human Anatomy and Physiology (5 units each, 10 units total) OR Biol 2, Human Anatomy, and Biol 4, Human Physiology (5 units each, 10 units total)

Highly Recommended:

CIS 1, Introduction to Computer Information Systems (course may be challenged by exam; equivalent course may be taken at other colleges). Students entering the
program are expected to demonstrate proficiency using Microsoft Word, Microsoft PowerPoint presentation software, and e-mail, and navigating the Internet. Students who are not proficient are advised to complete CIS 1 at Merritt (or an equivalent course at another college).

Engl 1A, Composition and Reading (equivalent course may be taken at other colleges). Students entering the program are expected to demonstrate proficiency in reading and writing at the college level. Students who are not proficient are advised to complete Engl 1A at Merritt (or an equivalent course at another college).

Recommended Preparation:

A. General Education Requirements:

It is highly recommended that General Education requirements be completed prior to admission into the program due to the heavy coursework load and time demands of the Major course requirements. The General Education requirements are found in the “Degrees and Majors” section of this catalog. All degree requirements must be satisfied in order to complete the program and gain eligibility to take the ARRT licensure examination. Completion of General Education requirements (or a previously awarded degree) may be used to narrow the field of applicants in years when the number of applications exceeds the number of available program slots.

The following specific coursework and experiences are advised as recommended preparation for the program. A recommended preparation is not required for enrollment, but will broaden and deepen a student’s learning experience while in the program and may increase the likelihood of successful program completion.

Coursework:

1. Higher Mathematics (such as College Algebra, Intermediate Algebra, Pre-Calculus, or Calculus)
2. Physics, such as Introduction to Physics, General Physics, or Physics of Radiation and/or Electromagnetism.
3. Medical Terminology
4. Professional or Business Communications
5. Introduction to Computer Information Systems (CIS 1 at Merritt) or an equivalent course(s). A course or a combination of courses should result in proficiency in the use of Microsoft Word, Microsoft PowerPoint presentation software, and e-mail, and navigating the Internet.
6. Composition and Reading (Engl 1A at Merritt) or an equivalent course.

Recommended coursework may satisfy some of the General Education requirements. Students should meet with a Merritt College counselor to plan accordingly.

B. Experiences:

1. Work experience (as an employee or volunteer) in a health care environment, preferably involving direct patient care.
2. Customer service experience (as an employee or volunteer) involving face-to-face contact and communication with the public.

Student Selection:

In the event that the number of qualified applicants exceeds the available program slots, a method of student selection will be determined by the department and college administration. Detailed information regarding the student selection process for a particular application period may be obtained from the Radiologic Science Department and will be presented in the prerequisite course, Radsc 1A, Survey of Radiologic Science. In the event the class is not filled by qualified applicants by the deadline date of April 15th, the deadline may be extended until announced in order to fill the class. Depending on the number of clinical placements available at affiliate sites, the program accepts approximately 30 students per year. All applicants are notified of acceptance status.

Degree Major/Certificate of Achievement Requirements:

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<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>FIRST YEAR</td>
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<tr>
<td>FIRST SEMESTER (FALL)</td>
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<tr>
<td>RADSC 1B Introduction to Medical Imaging</td>
<td>2</td>
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<td>RADSC 1C Introduction to Medical Imaging</td>
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<td>RADSC 2A Radiographic Physics I</td>
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<td>RADSC 3A Positioning I</td>
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<td>RADSC 5A Patient Care I</td>
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<td>Semester Total:</td>
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<tr>
<td>SECOND SEMESTER (SPRING)</td>
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<td>RADSC 2B Radiographic Physics II</td>
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<td>RADSC 3B Positioning II</td>
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<tr>
<td>RADSC 9A Clinical Experience I (16 hours per week)</td>
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<td>Semester Total: 12.0</td>
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CURRICULUM PATTERNS AND COURSES

THIRD SEMESTER (SUMMER)
RADSC 4A Radiation Protection 2
RADSC 4B Radiobiology 2
RADSC 10A Seminar 1.5
RADSC 9B Clinical Experience II (24 hours per week) 4
Semester Total: 9.5

SECOND YEAR
FOURTH SEMESTER (FALL)
RADSC 2C Digital Applications in Medical Imaging 4
RADSC 5B Patient Care II 3
RADSC 9C Clinical Experience III (24 hours per week) 6
Semester Total: 13.0

FIFTH SEMESTER (SPRING)
RADSC 6 Quality Management/Fluoroscopy 2.5
RADSC 7 Advanced Imaging Procedures 3
RADSC 8 Sectional Anatomy and Radiographic Pathology 4
RADSC 9D Clinical Experience IV (24 hours per week) 6
Semester Total: 15.5

SIXTH SEMESTER (SUMMER)
RADSC 10B Seminar 1.5
RADSC 9E Clinical Experience V (36 hours per week) 6
Semester Total: 7.5
Total Required Major Units: 71.0

RADSC 1A
Survey of Radiologic Science
1.5 units, 1.5 hours lecture (GR)
Acceptable for credit: CSU
Exploration of educational/career options in diagnostic radiologic science: Policy for program entry, the job functions of a radiologic technologist and observations in a clinical setting; introduction to medical terminology, radiographic examinations, basic radiation safety principles, standard precautions, patient care, ethics and medical-legal issues, and advanced specialty modalities. Covers both positive and negative aspects of the field regarding the pursuit of a career in this area. 1225.00

RADSC 1B
Introduction to Medical Imaging
2 units, 6 hours lecture per week for 6 weeks (GR)
Prerequisite: Radsc 1A
Acceptable for credit: CSU
Overview of allied health professions with specific attention to the medical imaging technologist: Allied health education, ethical behavior, medical-legal issues and liabilities, interpersonal communications, radiation safety, and preparation for clinical experience. 1225.00

RADSC 1C
Introduction to Medical Imaging Clinic
2.5 units, 12 hours laboratory per week for 11 weeks (GR)
Prerequisite: Radsc 1B (taken first during same term as Radsc 1C); and health clearances: physical examination, and recent negative TB (PPD) skin test or chest X-ray test results, and recent immunization against diphtheria, tetanus, polio, rubeola, rubella, mumps, and chicken pox (varicella); and drug screen and background check Acceptable for credit: CSU
Introduction to the clinical environment (carried out in an affiliated hospital): Emphasis on patient care and positioning; orientation to the hospital and radiology department, radiography processing area, quality assurance, equipment operation, department safety, and radiographic procedures. 1225.00

RADSC 2A
Radiographic Physics I
2 units, 1.5 hours lecture, 2 hours laboratory (GR)
Prerequisite: Math 201 or 210D
Recommended preparation: CIS 1 and Engl 1A
Acceptable for credit: CSU
Introduction to principles of radiographic physics and radiographic quality factors: X-ray beam production and tube characteristics, basic control-panel elements, image processing, radiographic intensifying screens, film, and grids; emphasis on compensating for modifications in basic imaging factors such as patient physical characteristics and position, tube position, distance, intensifying screen and film speed, grid ratio, and exposure factors. 1225.00

RADSC 2B
Radiographic Physics II
4 units, 3 hours lecture, 4 hours laboratory (GR)
Prerequisite: Radsc 2A
Acceptable for credit: CSU
Continuation of RADSC 2A: Radiographic quality factors, radiologic quantities and units, structure of matter, electromagnetic energy, magnetism, electricity, electromagnetism; x-ray imaging system, circuitry, x-ray tube, x-ray production, x-ray emission spectrum, and x-ray interactions with matter. 1225.00
CURRICULUM PATTERNS AND COURSES

RADSC 2C
Digital Applications in Medical Imaging
4 units, 3 hours lecture, 4 hours laboratory (GR)
Prerequisite: Radsc 2B
Corequisite: Radsc 9C
Acceptable for credit: CSU
Continuation of RADSC 2B: Technology applicable to specialized operation of computed/digital radiography and fluoroscopy, picture archiving and communication and radiology information systems; hands-on applications of software packages used to simulate job skills needed in a hospital clinical environment. 1225.00

RADSC 3A
Positioning I
4 units, 3 hours lecture, 4 hours laboratory (GR)
Prerequisite: Radsc 1A; and Biol 24, or Biol 20A and 20B, or Biol 2 and 4
Recommended preparation: CIS 1; and healthcare and/or customer service work experience or business or professional communications courses; and medical terminology or Hltoc 201
Acceptable for credit: CSU
Terminology, accessory devices, and equipment used in radiographic procedures: Application of protective devices; anatomy review and positioning for examinations of the chest, abdomen, and upper and lower extremities to include the shoulder, bony thorax, and pelvis. 1225.00

RADSC 3B
Positioning II
4 units, 3 hours lecture, 4 hours laboratory (GR)
Prerequisite: Radsc 1B and 2A and 3A and 5A
Acceptable for credit: CSU
Continuation of RADSC 3A: Anatomy review and positioning for examinations of the biliary system, upper and lower gastrointestinal tracts, urinary system, spine, cranium, facial bones, and sinuses. 1225.00

RADSC 4A
Radiation Protection
2 units, 36 term hours lecture (GR)
Prerequisite: Radsc 2B and 3B and 9A
Acceptable for credit: CSU
Physics of ionizing radiation: Photon and particle interaction with living tissue, protective materials and barriers, state and federal regulations governing radiation and consumer protection, practical methods and principles used in producing optimum images while limiting patient exposure, instrumentation in detecting and monitoring radiation, and measurement of useful scatter radiation. 1225.00

RADSC 4B
Radiobiology
2 units, 36 term hours lecture (GR)
Prerequisite: Radsc 2B and 3B and 9A
Acceptable for credit: CSU
Continuation of RADSC 4A focusing on a study of the effects of ionizing-radiation exposure on human and animal populations: Photon and particulate ionizing-radiation interactions with living tissue at the atomic, molecular, cellular, organic, and whole-body levels; physical and biologic factors affecting radiosensitivity; risk estimates/perspectives for patients subject to diagnostic and interventional radiology procedures and radiation therapy procedures; early and late radiation effects and acute radiation syndrome; and scientific basis for current radiation protection philosophies and regulations. 1225.00

RADSC 5A
Patient Care I
3 units, 3 hours lecture, 1 hour laboratory (GR)
Prerequisite: Biol 20A and 20B, or Biol 2 and 4
Recommended preparation: Engl 1A
Acceptable for credit: CSU
Ethical and interpersonal responsibilities of the health-team members: Theory and practice in assessing patient care, evaluation of radiographic orders, medical terminology related to all major body systems, medical asepsis, standard precautions techniques, and contrast preparation and administration techniques. 1225.00

RADSC 5B
Patient Care II
3 units, 3 hours lecture (GR)
Prerequisite: Radsc 3B and 5A
Acceptable for credit: CSU
Advanced patient-care skills: Complex clinical problem-solving skills; cultural competency; radiography and care for patients with central venous lines, chest tubes, endotracheal tubes, enteric tubes, and urinary catheters; medical emergencies in the radiology department; pharmacology; contrast media and associated hazards; venipuncture for contrast-media administration; special care needs for patients with chronic disabilities. 1225.00
CURRICULUM PATTERNS AND COURSES

RADSC 6
Quality Management/Fluoroscopy
2.5 units, 2 hours lecture, 2 hours laboratory (GR)
Prerequisite: Radsc 2C and 4A and 9C
Corequisite: Radsc 9D
Acceptable for credit: CSU
Quality management/fluoroscopy concepts: Equipment monitoring and maintenance programs for radiography, fluoroscopy and film processing; artifact causes and retake/repeat analysis programs; demonstrations and performance of quality assurance procedures in both radiographic and fluoroscopic areas emphasizing high quality patient care; and preparations for taking the California fluoroscopy permit examination. 1225.00

RADSC 7
Advanced Imaging Procedures
3 units, 3 hours lecture (GR)
Prerequisite: Radsc 2C and 5B and 9C
Acceptable for credit: CSU
Advanced imaging procedures and equipment: Conventional tomography, fluoroscopy, image recording systems, angiography, interventional procedures, computed tomography, magnetic resonance imaging, diagnostic medical sonography, and nuclear medicine; present and future medical imaging trends. 1225.00

RADSC 8
Sectional Anatomy and Radiographic Pathology
4 units, 4 hours lecture (GR)
Prerequisite: Radsc 2C and 5B and 9C
Acceptable for credit: CSU
Systematic classification of disease: Signs and symptoms of common diseases, radiographic examination and treatment of diseases, application of plain and special imaging modalities in the diagnostic process utilizing sagittal, axial and coronal imaging planes of head, neck, spine, chest, abdominal and pelvic cavities and joints. Anatomic reference points, intersecting planes and medical terminology used to identify relationships of organs as well as pathological conditions. 1225.00

RADSC 9A
Clinical Experience I
4 units, 16 hours laboratory (GR)
Prerequisite: Radsc 1B and 2A and 3A and 5A
Acceptable for credit: CSU
Clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00

RADSC 9B
Clinical Experience II
4 units, 24 hours laboratory/week for 12 weeks (Summer only) (GR)
Prerequisite: Radsc 2B and 3B and 9A
Acceptable for credit: CSU
Continuation of RADSC 9A: Clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00

RADSC 9C
Clinical Experience III
6 units, 24 hours laboratory (GR)
Prerequisite: Radsc 4B and 9B and 10A
Acceptable for credit: CSU
Continuation of RADSC 9B: Advanced clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00

RADSC 9D
Clinical Experience IV
6 units, 24 hours laboratory (GR)
Prerequisite: Radsc 3B and 5B and 9C
Acceptable for credit: CSU
Continuation of RADSC 9C: Advanced clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00

RADSC 9E
Clinical Experience V
6 units, 36 hours laboratory/week for 12 weeks (Summer only) (GR)
Prerequisite: Radsc 9D
Acceptable for credit: CSU
Continuation of RADSC 9D: Advanced clinical practicum in a medical-imaging department of an affiliated clinical training center. 1225.00

RADSC 9M
Mammographic Clinical Experience
4 units, 16 hours laboratory (GR or P/NP)
Prerequisite: Radsc 12
Acceptable for credit: CSU
Clinical practicum in a breast-imaging department of an affiliated hospital. Students/radiographers are responsible for securing their own affiliated clinical site. 1225.00
CURRICULUM PATTERNS AND COURSES

RADSC 10A
Seminar
1.5 units, 1.5 hours lecture (GR)
Prerequisite: Radsc 2B and 3B and 9A
Acceptable for credit: CSU
Discussion and analysis of topics relevant to the radiologic sciences: Advanced skull and facial bone positioning, trauma radiography, innovative imaging procedures, special considerations for the pediatric patient, ethical case studies, advances in infection control, and new developments in the field including equipment and techniques. 1225.00

RADSC 10B
Seminar
1.5 units, 1.5 hours lecture (GR)
Prerequisite: Radsc 7 and 8
Acceptable for credit: CSU
Preparation for state licensing and national registry examinations: Assistance with job-interview skills and resume preparation, updates of CAL OSHA regulations, California and national radiologic health regulations regarding radiation/occupational safety and patient care; exploration of other topics, and problem solving related to patient care and medical imaging in clinical and community settings. 1225.00

RADSC 11
Medical-Imaging Computer Applications
1 unit, 1.5 hours lecture, 2 hours laboratory for 9 weeks (GR)
Prerequisite: CIS 200 or 205
Acceptable for credit: CSU
Technology applicable to specialized operation of computerized imaging equipment: Computerized tomography, digital imaging (graphics), digital subtraction radiography (DSA), magnetic resonance imaging (MRI), nuclear medicine, and ultrasound; hands-on applications of interactive/integrated software packages used to simulate job skills needed in a hospital clinical setting. 1225.00

RADSC 12
Mammography for Radiographers
2.5 units, 40 term hours lecture, 15 term hours laboratory (GR or P/NP)
Prerequisite: Radsc 4A and 4B
Acceptable for credit: CSU
Preparation for state exam for Mammography Certification: History of mammography, image education and breast anatomy and physiology, positioning of the breast, positioning the breast with mammoplasties, technical factors in mammography, quality assurance and instrumentation, state and national accreditation standards, communication for the mammographer, breast cancer, image interpretation, medical-legal issues in mammography. 1225.00

RADSC 48NA-TZ
Selected Topics in Radiologic Science
.5-.9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1225.00

RADSC 49
Independent Study in Radiologic Science
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 1225.00

RADSC 248NA-TZ
Selected Topics in Radiologic Science
.5-.9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 1225.00

RADSC 251
Clinical Experience for the Returning Student (First Year)
3 units, 12 hours laboratory (GR)
Prerequisite: Radsc 1B; and health clearances: physical examination, and recent negative TB (PPD) skin test or chest X-ray test results, and recent immunization against diphtheria, tetanus, polio, rubeola, rubella, mumps, and chicken pox (varicella)
Non-degree applicable
Clinical practicum in a medical-imaging department of an affiliated clinical training center for the returning student. Recommended before entry into the second semester courses of the program. 1225.00
CURRICULUM PATTERNS AND COURSES

RADSC 252
Clinical Experience for the Returning Student (Second Year)
4-6 units, 16-24 hours laboratory (GR)
Prerequisite: Radsc 1B and 2A and 3A and 5A; and health clearances: physical examination, and recent negative TB (PPD) skin test or chest X-ray test results, and recent immunization against diphtheria, tetanus, polio, rubeola, rubella, mumps, and chicken pox (varicella)
Non-degree applicable
Advanced clinical practicum in a medical-imaging department of an affiliated clinical training center for the returning student. Recommended for students in the second year of the program. 1225.00

RADSC 348NA-TZ
Selected Topics in Radiologic Science
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
Non-degree applicable.
See section on Selected Topics. 1225.00

REAL ESTATE (RLEST)
The major in Real Estate provides excellent preparation for the broker’s or salesperson’s license and contributes to efficiency in many allied professions such as developers, appraisers, title officers, property managers, and mortgage brokers and bankers. In addition, the courses provide important information and training for professionals interested in investing in real estate including those in government working with real property. The AA degree in Real Estate will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLEST 2A</td>
<td>Principles of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 4A</td>
<td>Legal Aspects of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 5</td>
<td>Real Estate Practice</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 6A</td>
<td>Real Estate Finance</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 7A</td>
<td>Real Estate Appraisal</td>
<td>3</td>
</tr>
<tr>
<td>RLEST 9</td>
<td>Real Estate Economics</td>
<td>3</td>
</tr>
<tr>
<td>Select two courses (6 units) from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RLEST 4B</td>
<td>Advanced Legal Aspects of Real Estate (3)</td>
<td></td>
</tr>
<tr>
<td>RLEST 6B</td>
<td>Advanced Real Estate Finance (3)</td>
<td></td>
</tr>
<tr>
<td>RLEST 7B</td>
<td>Advanced Real Estate Appraisal (3)</td>
<td></td>
</tr>
<tr>
<td>RLEST 8</td>
<td>Property Management (3)</td>
<td></td>
</tr>
<tr>
<td>RLEST 10</td>
<td>Real Estate Mathematics (3)</td>
<td></td>
</tr>
<tr>
<td>RLEST 11</td>
<td>Real Estate Escrow Procedures (3)</td>
<td></td>
</tr>
<tr>
<td>RLEST 13</td>
<td>Real Estate Exchanges and Exchange Taxation (3)</td>
<td></td>
</tr>
<tr>
<td>RLEST 14</td>
<td>Real Estate Investments (3)</td>
<td></td>
</tr>
<tr>
<td>RLEST 20</td>
<td>Computer Applications in Real Estate (3)</td>
<td>6</td>
</tr>
<tr>
<td>Total Required Units:</td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

RLEST 2A
Principles of Real Estate
3 units, 3 hours lecture (GR or P/NP)
Required for those preparing for the real estate salesperson’s licensing examination.
Acceptable for credit: CSU
Basic laws and principles of California real estate: Provides understanding, background, and terminology necessary for advanced study in specialized courses; preparation for the real estate salesperson’s licensing examination. 0511.00

RLEST 4A
Legal Aspects of Real Estate
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: RleSt 2A
Acceptable for credit: CSU
Basic legal aspects of real estate: Nature and classes of property, contracts, encumbrances, and leases; and principles of law applied to real estate. 0511.00

RLEST 4B
Advanced Legal Aspects of Real Estate
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: RleSt 4A
Acceptable for credit: CSU
Advanced legal aspects of real estate: Nature and classes of property, contracts, encumbrances, and leases; and principles of law applied to real estate. 0511.00

RLEST 5
Real Estate Practice
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: RleSt 2A
Acceptable for credit: CSU
Comprehensive presentation of daily activities of brokers and salespersons: Selling, listing, advertising, taking and presenting offers, qualifying buyers; appraisal, finance, and escrow procedures; taxation, investment property, and exchanges. 0511.00
CURRICULUM PATTERNS AND COURSES

RLEST 6A
Real Estate Finance
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 2A
Acceptable for credit: CSU
Basic real estate finance: Study and analysis of money markets, interest rates, real estate financing, lending policies, and problems involved in financing real property; emphasis on homes with brief introduction to multi-family units. 0511.00

RLEST 6B
Advanced Real Estate Finance
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Rlest 2A
Prerequisite or corequisite: Rlest 6A
Acceptable for credit: CSU
Advanced real estate finance: Detailed study of financing for multi-family units, commercial properties, and special-purpose projects. 0511.00

RLEST 7A
Real Estate Appraisal
3 units, 3 hours lecture (GR or P/NP)
Prerequisite: Rlest 2A
Acceptable for credit: CSU
Basic real estate appraisal: Study of methods and techniques used to determine value; emphasis on residential property with brief introduction to multi-family units. 0511.00

RLEST 7B
Advanced Real Estate Appraisal
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 7A
Acceptable for credit: CSU
Advanced real estate appraisal: Study of methods and techniques used to determine value, marketability, and return on multi-family units and commercial and other investment properties. 0511.00

RLEST 8
Property Management
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 2A
Acceptable for credit: CSU
Real estate management: Neighborhood analysis and trends, rent schedules, leases, accounting, maintenance, and landlord/tenant relations; the business of property management. 0511.00

RLEST 9
Real Estate Economics
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 2A
Acceptable for credit: CSU
Introduction to real estate economics: Introductory study of city, neighborhood, and property value changes; analysis of contemporary real estate economic problems; includes field trips. 0511.00

RLEST 10
Real Estate Mathematics
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 2A
Acceptable for credit: CSU
Real estate mathematics: Study to assist the student with the mathematics portion of the licensing examination and to assist the agent in his/her everyday transactions. 0511.00

RLEST 11
Real Estate Escrow Procedures
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 2A
Acceptable for credit: CSU
Real estate escrow procedures: Procedures, techniques, and areas of responsibility in handling escrows. 0511.10

RLEST 13
Real Estate Exchanges and Exchange Taxation
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 2A
Acceptable for credit: CSU
Introduction to the theory, mechanics, and tax aspects of real estate exchanges: Balancing equities, contacts, and escrow procedures. 0511.00

RLEST 14
Real Estate Investments
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 2A
Acceptable for credit: CSU
Survey and analysis of real estate investments: Counseling, valuation, after-tax benefits, and a brief introduction to exchanges. 0511.00
RLEST 18
Common Interest Developments (Homeowners Associations Management)
3 units, 3 hours lecture (GR or P/NP)
Recommended preparation: Rlest 2A
Acceptable for credit: CSU
Introduction to the basics of managing, purchasing, and selling of common interest developments (CIDs) governed by homeowners associations (HOA): Condominiums, stock cooperatives, community apartment projects, and planned developments; applicable federal and state laws. 0511.00

RLEST 20
Computer Applications in Real Estate
3 units, 3 hours lecture (GR or P/NP)
Prerequisite or corequisite: Rlest 2A
Acceptable for credit: CSU
Overview of the Internet and computer hardware and software applications used in the day-to-day life of the real estate practitioner: Computer technology and its effect on business practices and the field of real estate in particular, e-mail for business purposes, use of the Internet and software applications in searching for homes and real estate loans, and use in rental, leasing and property taxation procedures, contracts, and forms. 0511.00

AA/AS area 4c

RLEST 48NA-TZ
Selected Topics in Real Estate
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0511.00

RLEST 49
Independent Study in Real Estate
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 0511.00

RLEST 248NA-TZ
Selected Topics in Real Estate
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)
See section on Selected Topics. 0511.00

RECREATION AND LEISURE SERVICES (RECSE)

RECSE 50
Introduction to Recreation and Leisure Services
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Nature, scope, and significance of recreation in the social and economic life of the American people: Definition, history, purpose, functions, organizational patterns, and interrelationships of group agencies and institutions which serve recreational needs of the community. 0836.00
CSU area E

RECSE 52
Social Recreation Leadership
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
Theory and application of leadership in social recreation activities: Mechanics of party planning, techniques of presentation, and a repertoire of social games. 0836.00
CSU area E

RECSE 55
Outdoor Recreation
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU
History, principles, and trends of organized camping: Conservation of nature, role of leaders in outdoor recreation, psychological aspects of camper’s development, vocational opportunities and placement, and practical skills in firecraft and outdoor cooking. 0836.00
CSU area E

RECSE 57
Recreation Program Planning
3 units, 3 hours lecture (GR)
Prerequisite: Two courses in Recreation and Leisure Services
Acceptable for credit: CSU
Methods and techniques of recreation program planning: Planning, organizing, conducting, controlling, and evaluating recreation programs. 0836.00
CSU area E
SOCIAL AND BEHAVIORAL SCIENCES (SOCSC)

These courses emphasize the perspective, concepts, theories and methodologies typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics of discussion will stimulate critical thinking about ways people have acted in response to their societies and will allow students to evaluate how societies and social subgroups operate. Courses from Administration of Justice, Anthropology, Business, Child Development, Community Social Services, Communication and English, Economics, Education, Environmental Management and Environmental Studies, Ethnic Studies, Geography, Health Education, History, Human Services, Political Science, Psychology, and Sociology are acceptable. The AA degree in Social and Behavioral Sciences will prepare students for majors at four-year institutions in the social sciences such as anthropology, history, psychology, sociology, or ethnic or cultural studies, among others.

The AA degree in Social and Behavioral Sciences will be awarded upon satisfactory completion of the Degree course requirements and the General Education requirements. Since the following degree courses appear on the General Education Course List, they may be used to meet both the degree and the General Education requirements, provided that the total is 37 or more units. A course may be used one time for the degree and one time only for the General Education requirements, even though the course may be listed in several category areas.

The Social and Behavioral Sciences AA Degree is designed for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis,” in this case, the Social and Behavioral Sciences. This area of emphasis would be an ideal choice for students planning on transferring to the California State University or University of California as the student can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Please consult with a counselor for specific information regarding your intended major at the specific colleges/university of your choice.

- Complete 18 units in the “Area of Emphasis” outlined below. (Note: Courses in the “area of emphasis” may also be counted toward a GE area; those with an (*) are listed in more than one area but may not be counted in more than one area.)
- All courses listed below transfer to CSU. Many courses are also transferable to UC. Refer to www.ASSIST.org for transfer details or see a counselor for additional details.

SOCIAL AND BEHAVIORAL SCIENCES AA DEGREE

General Education CSUGE/IGETC: 37-39
(Minimum units necessary to meet CSUGE/IGETC Certification requirements)

Area of Emphasis: 18
- 18 units required from the Area of Emphasis: Social and Behavioral Sciences.
- Courses selected can be used to also fulfill GE areas.
- All courses below transfer to CSU. Many courses are also transferable to UC.

*Also see the separate AA degrees offered in Humanities, and Natural Sciences at Merritt College.

Electives and Other Requirements (Computer Literacy, Ethnic Studies): 0-5
(Note: Electives and other requirements may be necessary to total 60 overall units required for the Associate Degree.)

Total Required Units: 60

Degree Requirements:

Dept./No. Units

Group 1: Select at least two courses for a minimum of 6 units from the following:
ANTHR: 2, 3, 4, 5*, 7*, 8*, 13, 16, 18, 30*
ASAME: 19*, 30*, 32*, 45A*, 45B*
COMM: 13*
ENGL: 38*
ENVST: 76A-D*, 78A, 78B*
ENVMT: 12*, 27
M/LAT: 6*, 12*, 19*, 23*
NATAM: 19*, 76A-D*, 78A*, 78B*

Group 2: Select at least two courses for a minimum of 6 units from the following:
CHDEV: 50, 51, 53, 56A, 57A
COSER: 10, 24, 29*
COUN: 30
ENVMT: 19*
CURRICULUM PATTERNS AND COURSES

HIST: 2A, 2B, 7A, 7B, 15, 19*
HUSV: 53
POSCI: 1, 2, 3, 4, 5*, 16
PSYCH: 1A, 1B, 3, 6, 10, 12, 19; 24, 33
SOC: 1, 2, 3, 5*

Group 3: Select at least two courses for a minimum of 6 units from the following:

ADJUS: 21, 22, 25, 63
BUS: 5, 52
COMM: 6*, 10*, 18, 19, 22
ECON: 1, 2
EDUC: 1
ENVMT: 2, 13, 15
GEOG: 2
HLTED: 1

Total Required Units: 18

1Afram 19 is the same as Asame 19, M/Lat 6, and Natam 19; maximum credit: one course.
2Envmt 19 is the same as Psych 19; maximum credit: one course.
3Envst 76A-D, 78A and 78B are the same as Natam 76A-D, 78A and 78B, respectively; maximum credit: one course.
4Each course must be taken for a minimum of 3 units to satisfy Area 2 requirements.
5M/Lat 19 is the same as Hist 17; maximum credit: one course.
6Afram 38 is the same as Envmt 12; maximum credit: one course.

SOCIOLOGY (SOC)

SOC 1
Introduction to Sociology
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Introduction to sociology: Analysis of human group life through principles, concepts, and theories. 2208.00
AA/AS area 2; CSU area D; IGETC area 4

SOC 2
Social Problems
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Study of society through application of sociological principles and critical thinking skills to the identification and analysis of selected social problems: Poverty, racism/sexi
sm, drug abuse, crime, and population control. 2208.00
AA/AS area 2; CSU area D; IGETC area 4

SOC 3
Sociology of Women
3 units, 3 hours lecture (GR or P/NP)
Acceptable for credit: CSU, UC
Also offered as Hist 56. Not open for credit to students who have completed or are currently enrolled in Hist 56.
Exploration of various conceptual frameworks regarding the status of women: Structure-function, role dynamics, dominant-subordinate minority group interaction, and concepts of oppression-liberation with emphasis on current trends of the movement. 2208.00
AA/AS area 2; CSU area D; IGETC area 4

SOC 5
Minority Groups
3 units, 3 hours lecture (GR)
Acceptable for credit: CSU, UC
Analysis of racial, religious, and ethnic minority groups: General principles of dominant-minority group relations. 2208.00
AA/AS area 2, 5; CSU area D

SOC 48NA-TZ
Selected Topics in Sociology
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2208.00

SOC 49
Independent Study in Sociology
.5-5 units (GR or P/NP)
Course study under this section may be repeated three times.
See section on Independent Study. 2208.00

SOC 248NA-TZ
Selected Topics in Sociology
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)
See section on Selected Topics. 2208.00
SPANISH
(SPAN)

The AA degree in Spanish will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

Degree Major Requirements:

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<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>SPAN 1A</td>
<td>Elementary Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 1B</td>
<td>Elementary Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 2A</td>
<td>Intermediate Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 2B</td>
<td>Intermediate Spanish</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Total Required Units:</td>
<td>20</td>
</tr>
</tbody>
</table>

SPAN 1A
Elementary Spanish
5 units, 5 hours lecture (GR or P/NP)
Course is equivalent to two years of high school study.
Eligible for credit by examination.
Acceptable for credit: CSU, UC
Course is conducted in Spanish.
Study and practice in understanding, speaking, reading, and writing Spanish: Emphasis on understanding basic grammatical concepts and vocabulary building; readings in Spanish and Spanish-American life and culture.
1105.00
AA/AS area 3; CSU area C2; IGETC Language

SPAN 1B
Elementary Spanish
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: Span 1A
Eligible for credit by examination.
Acceptable for credit: CSU, UC
Course is conducted in Spanish.
Continuation of SPAN 1A: Study and practice in understanding, speaking, reading, and writing Spanish with continuing emphasis on understanding basic grammatical concepts and vocabulary building; readings in Spanish and Spanish-American life and culture.
1105.00
AA/AS area 3; CSU area C2; IGETC Language

SPAN 2A
Intermediate Spanish
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: Span 1B
Acceptable for credit: CSU, UC
Course is conducted in Spanish.
Intermediate-level spoken and written Spanish: Grammar review, conversation, composition, reading, and aural-oral practice. 1105.00
AA/AS area 3; CSU area C2; IGETC area 3B

SPAN 2B
Intermediate Spanish
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: Span 2A
Acceptable for credit: CSU, UC
Course is conducted in Spanish.
Continuation of SPAN 2A: Selected readings from Spanish and Latin-America literature, grammar review, and advanced composition and conversation. 1105.00
AA/AS area 3; CSU area C2; IGETC area 3B

SPAN 22A
Spanish for Bilingual Speakers I
5 units, 5 hours lecture (GR or P/NP)
Course is equivalent to two years of high school study.
Acceptable for credit: CSU, UC
Course is conducted entirely in Spanish.
Elementary and intermediate Spanish for students whose native language is Spanish: Critical reading and discussion of selected readings in Spanish with emphasis on reading development, orthography, grammar, lexical expansion and composition. 1105.00
AA/AS area 3; CSU area C2; IGETC Language

SPAN 22B
Spanish for Bilingual Speakers II
5 units, 5 hours lecture (GR or P/NP)
Prerequisite: Span 22A
Acceptable for credit: CSU, UC
Course is conducted entirely in Spanish.
Continuation of SPAN 22A: Intermediate and advanced intermediate Spanish for students whose native language is Spanish; critical reading and discussion of selected readings in Spanish with emphasis on reading development, orthography, grammar, lexical expansion and composition. 1105.00
AA/AS area 3; CSU area C2; IGETC area 3B
CURRICULUM PATTERNS AND COURSES

SPAN 30A  
Beginning Conversational Spanish  
3 units, 3 hours lecture (GR or P/NP)  
Acceptable for credit: CSU  
Introduction to conversational Spanish: Use of modern colloquial Spanish in conversation, and elementary grammar. 1105.00  
CSU area C2

SPAN 30B  
Beginning Conversational Spanish  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: Span 30A  
Acceptable for credit: CSU  
Continuation of SPAN 30A: Use of modern colloquial Spanish in conversation, and elementary grammar. 1105.00  
CSU area C2

SPAN 31A  
Intermediate Conversational Spanish  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Span 30B  
Acceptable for credit: CSU  
Emphasis on intermediate-level conversational practice: Grammar review as needed; readings from conversation textbook, newspapers, and magazines in Spanish. 1105.00  
AA/AS area 3; CSU area C2

SPAN 31B  
Intermediate Conversational Spanish  
3 units, 3 hours lecture (GR or P/NP)  
Prerequisite: Span 31A  
Acceptable for credit: CSU  
Continuation of SPAN 31A: Grammar review as needed; readings from conversation textbook, newspapers, and magazines in Spanish. 1105.00  
AA/AS area 3; CSU area C2

SPAN 38  
Latin-American Literature  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: Span 1B  
Acceptable for credit: CSU, UC  
Course is conducted in Spanish.  
Contemporary Latin-American literature: Reading of short stories and poetry from prominent Latin-American writers, such as Carlos Fuentes, Gabriel García-Márquez, Julio Cortázar, Pablo Neruda, and many others. 1105.00  
AA/AS area 3; CSU area C2; IGETC area 3B

SPAN 40  
Hispanic Civilization and Culture  
3 units, 3 hours lecture (GR or P/NP)  
Recommended preparation: Span 1B  
Acceptable for credit: CSU, UC  
Study of Hispanic civilization and culture: Readings in Spanish designed to develop active language skills. 1105.00  
AA/AS area 3; CSU area C2; IGETC area 3B

SPAN 48NA-TZ  
Selected Topics in Spanish  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics. 1105.00

SPAN 49  
Independent Study in Spanish  
.5-5 units (GR or P/NP)  
Course study under this section may be repeated three times.  
See section on Independent Study. 1105.00

SPAN 248NA-TZ  
Selected Topics in Spanish  
.5-5 units, 0-5 hours lecture, 0-15 hours laboratory (GR or P/NP)  
See section on Selected Topics. 1105.00
VOCATIONAL NURSING  
(V/NUR)

The Vocational Nursing curriculum is designed to prepare the student to practice intelligent care at the bedside, to assist in the rehabilitation of the sick and the prevention of disease, and to prepare the student for his/her role in the community as a contributing citizen, according to the basic principles of health and nursing. The Vocational Nursing curriculum is accredited by the California Board of Vocational Nurse and Psychiatric Technician Examiners. Graduates of this program are eligible to apply for the California state examination to become a Licensed Vocational Nurse (LVN).

The AS degree in Vocational Nursing will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

Eligibility/Admission/Completion Requirements:

Admission to the Vocational Nursing program is by special application and evaluation of academic and personal qualifications. Completion of the program requires the student to maintain satisfactory performance (a 75% or better passing grade) in all Vocational Nursing courses and satisfactory performance in the clinical experience. Program requirements are as follows:

1. Applicants must be high school graduates or the equivalent.
2. Health clearances (physical examination and negative TB test results) are required, and are to be submitted to the Vocational Nursing Department before the start of the program.
3. Applicants must satisfactorily complete the prerequisite courses, Biol 20A and 20B, or Biol 2 and 4, or the equivalent, with grade “C” or better before applying to the program.
4. All Vocational Nursing courses in each semester must be completed satisfactorily with a performance grade of 75% or better before a student can enroll in the succeeding semester.
5. The clinical experience, whereby the student is required to work directly with patients, is a significant part of the program. In the interest of patient safety, repeated unsatisfactory performance in the clinical experience will subject a student to dismissal from the program.

Degree Major/Certificate of Achievement Requirements:

<table>
<thead>
<tr>
<th>Dept/No.</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>FIRST SEMESTER</td>
<td></td>
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<tr>
<td>V/NUR 214</td>
<td>Basic Medical-Surgical Nursing</td>
<td>15</td>
</tr>
<tr>
<td>V/NUR 215</td>
<td>Introduction to Pharmacology</td>
<td>1</td>
</tr>
<tr>
<td>V/NUR 216</td>
<td>Therapeutic Nutrition</td>
<td>1</td>
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<tr>
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<tr>
<td>SECOND SEMESTER</td>
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</tr>
<tr>
<td>V/NUR 217</td>
<td>Intermediate Medical-Surgical Nursing</td>
<td>10</td>
</tr>
<tr>
<td>V/NUR 218</td>
<td>Intermediate Pharmacology</td>
<td>2</td>
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<tr>
<td>V/NUR 220</td>
<td>Maternal-Child Nursing</td>
<td>4</td>
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<tr>
<td>THIRD SEMESTER</td>
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</tr>
<tr>
<td>V/NUR 219</td>
<td>Advanced Medical-Surgical Nursing</td>
<td>17</td>
</tr>
<tr>
<td>Semester Total:</td>
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<td>Total Required Units:</td>
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<td>50</td>
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</table>

The sequence of courses may be altered due to availability of clinical facilities. Students will be notified in advance.

V/NUR 214  
Basic Medical-Surgical Nursing
15 units, 9 hours lecture, 18 hours laboratory (GR)  
Prerequisite: Biol 20A and Biol 20B, or Biol 2 and 4; and health clearances: physical examination, negative TB test results, and immunizations; and Hlted 11 or CPR certification  
Recommended preparation: CIS 200 or 205 or equivalent, and Engl 1A, and Math 201  
Theoretical framework for understanding the process of assessing and planning care of adult patients: Supervised application of the principles and practices of basic nursing care. 1230.20

V/NUR 215  
Introduction to Pharmacology
1 unit, 1 hour lecture (GR)  
Introduction to pharmacology: Mathematics of calculating medication dosages, apothecary and metric conversions, and principles and techniques of administering medications. 1230.20

V/NUR 216  
Therapeutic Nutrition
1 unit, 1 hour lecture (GR)  
Survey of dietary principles: Their application to selected medical conditions needing modification of normal dietary requirements. 1230.20
V/NUR 217  
**Intermediate Medical-Surgical Nursing**  
10 units, 7 hours lecture, 10 hours laboratory (GR)  
Prerequisite: V/Nur 214 and 215 and 216; and health clearance: negative TB test results  
Common health problems of adults: Dietary therapy and medications; socioeconomic, psychological, and cultural factors related to patient care; and supervised application of the principles and practices of intermediate nursing care of adults in clinical settings. 1230.20

V/NUR 218  
**Intermediate Pharmacology**  
2 units, 2 hours lecture (GR)  
Prerequisite: V/Nur 215  
Study of specific drugs: Drug categories, dosages, and actions; and related nursing implications. 1230.20

V/NUR 219  
**Advanced Medical-Surgical Nursing**  
17 units, 11 hours lecture, 18 hours laboratory (GR)  
Prerequisite: V/Nur 217 and 218; and health clearance: negative TB test results  
Study of selected health problems of adults requiring specific advanced nursing-care measures: Related dietary therapy, medications, and patient knowledge of specific treatments; supervised application of the principles and practices of advanced nursing care of adults in clinical settings; emphasis on preparation for licensure and employment. 1230.20

V/NUR 220  
**Maternal-Child Nursing**  
4 units, 2 hours lecture, 8 hours laboratory (GR)  
Prerequisite: V/Nur 214 and 215 and 216  
Principles of nursing care of patient during prenatal, labor, delivery, and postpartum periods: Observation or participation in obstetrics and care of the newborn in hospital settings; discussion of normal child growth and development, characteristics of the well child, and related socioeconomic, psychological and cultural factors; supervised observation/participation in facilities which provide care for children. 1230.20

V/NUR 248NA-TZ  
**Selected Topics in Vocational Nursing**  
.5-9 units, 0-9 hours lecture, 0-27 hours laboratory (GR or P/NP)  
See section on Selected Topics. 1230.20
# COLLEGE STAFF

## FACULTY

**ALEXANDER, ALEXIS**  
Learning Resources (Disabled Students Programs and Services)  
B.S., University of California, Los Angeles  
M.S., San Francisco State University  
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M.S., San Francisco State University

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M.S., Cornell University  
Ph.D., Northwestern University

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M.P.H., University of Hawaii

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Certificate, Diversity Trainer, University of Oklahoma

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Certificate, Assistant Teacher, Merritt College  
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BURGESS, LAZARIO (MICKEY)  
*Cook, Children's Center*
MERRITT COLLEGE 2009-2011

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Custodian, Custodial Department

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KARIM, WAADUDA
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<table>
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<tr>
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<tbody>
<tr>
<td>KAUFMAN, MARYHELEN</td>
<td>Admissions and Records Clerk, Admissions and Records Office</td>
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<td>PASCUAL, LORNA</td>
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NON-DISCRIMINATION POLICY

Distrito de los Colegios Universitarios Comunitarios de Peralta Política 4.03 de la Junta

4.03 Política que prohíbe la discriminación hacia los estudiantes (incluyendo la discriminación y el acoso sexual y racial)

El Distrito de los Colegios Universitarios Comunitarios de Peralta, de conformidad con las leyes federales y estatales pertinentes y con la Política de la Junta, prohíbe que los estudiantes sean sometidos a discriminación y acoso discriminatorio ilícitos basados en la raza, las creencias, el color, la ascendencia, la religión, el sexo, el origen nacional, la edad (40 años de edad o más), el estado civil, los problemas médicos (relacionados con el cáncer), las incapacidades, las afiliaciones y opiniones políticas, la orientación/preferencia sexual o la transmutación de sexo en cualquier etapa, en cualquiera de los programas y actividades del Distrito, incluyendo la disponibilidad de los ofrecimientos educacionales; y en otros programas y actividades como la ayuda financiera y los servicios especiales. Por ello, el Distrito investigará las quejas de discriminación inmediatamente, siguiendo los pasos pertinentes, a fin de eliminar la discriminación actual y evitar discriminación futura. El Distrito prohíbe las represalias contra cualquier individuo que presente una queja o participe en una investigación con relación a discriminación o acoso discriminatorio.

Fundamento jurídico
Sección 72011 del Código de Educación (Education Code Section 72011)
Sección 504 de la Ley sobre la Rehabilitación de 1973 (Section 504 of the 1973 Rehabilitation Act)
División IX de las Enmiendas Educacionales de 1972 (Title IX of the Educational Amendments of 1972)
División VI de la Ley de Derechos Civiles de 1964 (Title VI of the 1964 Civil Rights Act)

Adoptada: 13 de abril de 1999
Revisada: 23 de julio de 2002
NON-DISCRIMINATION POLICY

百拉達社區學院學區 (Peralta Community College District) 理事會政策 4.03

4.03 政策禁止對學生的歧視 (包括性及種族騷擾和歧視)

百拉達社區學院學區 (Peralta Community College District) 根據相關的聯邦和州府法律及理事會政策，禁止在其任何及所有計劃與活動（包括所提供的教育機會）和其他如財務資助及特別服務等計劃及活動中對學生有後述方面的不當歧視及歧視性騷擾：種族、信念、膚色、血統、宗教、性別、國籍、年齡 (40 歲及以上)、婚姻狀況、身體健康狀況 (癌症)、殘障、政治觀點及立場、性傾向/偏好或任何階段的跨性別狀況。若有此種情況發生，本學區會立刻採取適當行動調查相關的歧視投訴，以便消除現有的歧視情形，並防止發生更嚴重的歧視行爲。本學區嚴禁對因歧視而提出投訴或因歧視性騷擾問題作出諮詢的任何個人進行報復行爲。

法律規範依據
教育法規 72011 條款
1973 年改革法 504 條款
1972 年教育修正法 IX 條款
1964 年公民權利法 VI 條款
1866 年公民權利法、1981 年美國法典 42 條款
1983 年美國法典 42 條款

採用: 1999 年 4 月 13 日
修訂: 2002 年 7 月 23 日
4.03 Quy Định Nghiêm Cấm Phân Biệt Đối Xử (Kể Cả Quáy Rồi Tính Đức và Quáy Rồi liên quan tới Chủng tộc và Phân biệt Đối xử) với các Sinh Viên

Theo quy định của luật pháp Tiểu Bang và Liên Bang và Quy Định Của Ban Giám Hiệu, Peralta Community College District cấm phân biệt đối xử và quáy roỉ kỳ thị trái phép đối với các sinh viên, dựa trên chủng tộc, tín ngưỡng, màu da, nguồn gốc tổ tiên, tôn giáo, phải tính, quốc gia nơi xuất thân, tuổi (trên 40 tuổi), hoàn cảnh hôn nhân, bệnh tật (liên quan tới ung thư), khuyết tật, quan điểm và tư cách chính trị, sở thích/xu hướng tính dục, hay chuyển đổi giới tính ở bất cứ giai đoạn nào, trong bất kỳ và toàn bộ các chương trình và hoạt động của Khu, kể cả việc cung cấp các chương trình giáo dục của khu; và các chương trình và hoạt động khác như trợ giúp tài chính và các dịch vụ đặc biệt. Để đạt được điều này, Khu Học Chánh sẽ tiến hành các biện pháp kịp thời và thích hợp để điều tra những trường hợp kiên nhẫn phân biệt đối xử để loại bỏ và ngăn ngừa việc này. Khu Học Chánh cấm trả thù bất cứ người nào dựa đơn kiện nai hay tham dự điều tra phân biệt đối xử hay quáy roỉ kỳ thị.

Dựa Trên Pháp Lý
Bộ Luật Giáo Dục, Mục 72011
Mục 504, Đạo Luật Phúc Hội năm 1973
Tiểu để Đệ IX của Ban Tu Chính Giáo Dục năm 1972
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Được chấp thuận: 13 tháng Tư, 1999
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DISCLAIMER

ACCURACY STATEMENT

Merritt College endeavors to accurately and fairly present its programs and policies to the public. The college reserves the right to add, amend, or repeal any rules, regulations, policies and procedures. The college assumes no responsibility for program changes nor publication errors beyond its control.
BUILDING PROGRAMS/OFFICES

A  Art, Audio-Visual, Child Development, Fitness Center, Music, Classrooms
D  Allied Health Programs, Academic Enhancement Center (Learning Center, Electronic Classroom, Tutorial, Math Lab), Classrooms, Mailroom
E  Gymnasium, Classrooms
F  Locker Rooms, Faculty Offices
H  Landscape Horticulture
L  Anthropology Museum, Library/Learning Resources
P  Adapted Computer Learning Center/DGPS, Classrooms, Computer Labs
Q  Administration (President's Office, Vice President of Instruction), Business Services, Cashier's Office, Production Center
R  Admissions and Records, Assessment, Bookstore, Career Center, Counseling, Disabled Students Programs and Services, EOPS, Financial Aid, Health Services, Puente Program, Safety and Police Services, Student Activities, Transfer Center, Veterans Affairs, Vice President of Students
SRH  Self-Reliant House (Environmental Management Program)